CENTRAL RECORDS

#29412

NO FURTHER REMEDIAL ACTION PLANNED (NFRAP)

Date: 3/6/90

From: Brian G. Farrier

South Florida Project Officer

Site Assessment Section

347-5065

SUBJECT:	<u> </u>	පිදෙනෙ

EPA ID NO. FLD 073 869 414

No further remedial action is planned by EPA for the aforementioned site. This recommendation is based on a thorough examination of the file material pertaining to the site, with justification listed below:

Site

County

Comment

Boston Printing Co. Broward

Acetone contamination in one GW sample only at 43 ug/l. Not found in soils. Suspected offsite source. Remedial activity at Hollingsworth (NPL) nearby may clean up acetone.

- Site owned by Hollingsworth Solderless vicioito 1982. describes, and noted that we my was installing a new treatment sustain. Old one railed. Photo 31190 7/80 PA documents contaminates of effluent to Boston Pervised String 741 NW 57th Si Keastownert Color HRS Score of Sel.

Source of the Torden report dominants 12/19/85
Source of Accetone which is not used in the photo processes. Compare to Buck the account of Source outs.

(We address as 700 NW 57 th Pr.)

(RPM Scrapin Kenjetic) See Einmernan

Since Hollingsworth is still in area I would

assume that contamination at the Rester con

However, the Buton address was seed

Storage purposes by Hollingsworth. (Con'd) Hollingshorth Solderless became an NP site

75/7 00/2/5

Boston (RINTING Cor'd

Which Hollingsworth formerly owned. any remediation at the Boston Printing Addison to Good ten bib of some 2.5 teal ant di stions notelboust isthing tooks ripose ichows Stage Where the parking but dirt war exhamed and senated. He said to talk to Eve Zinnernian the remedial activities at Hollingsworth during the James Ropotic Soil that he was involved with

. H to muchusett it appears that Baton Should be affected by the (noteod by Boston).

(noteod by Boston).

(moteod by Boston).

(moteod by Boston). toods so stitution and and soft by Base similals Agration Will remove acetone and most if . nice rigad bloods rostoned bus frigury intol. bruesp tolt bies oda modro mit of bollol

We need to determine this well electron betore
APing Boston. being glaced outside the drawdown area. interim clean water. Accordingly reinjection wells are hopper, since we don't want to draw in contemnate the contemnation from adjacent sites and contemnate the of thous sou trade sod for your sixt revenot

UFRAPing Boslon.

SITE INSPECTION REPORT

FOR

BOSTON PRINTING CO., INC.
FT. LAUDERDALE, BROWARD COUNTY, FLORIDA
FLD073869414

SUBMITTED TO

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION 2600 BLAIRSTONE ROAD TALLAHASSEE, FLORIDA

BY

E.C. JORDAN CO.
1311 EXECUTIVE CENTER DRIVE
TALLAHASSEE, FLORIDA

FEBRUARY 1986

SITE INSPECTION REPORT BOSTON PRINTING CO., INC. FT. LAUDERDALE, FLORIDA FLD073869414

1.0 EXECUTIVE SUMMARY

Boston Printing occupies a one-half acre lot on NW 57th Place in Ft. Lauder-dale, Florida. The site is 3,000 feet east of the Ft. Lauderdale Executive Airport. Boston Printing is a photographic printing facility which uses silver-based film and developing chemicals in its operations.

On October 1, 1985, E.C. Jordan personnel conducted a site reconnaissance of Boston Printing and interviewed Mr. George Stern, the owner. On December 19, 1985, Jordan personnel returned to the site to collect groundwater samples for laboratory analysis of volatile and semi-volatile organics and the twelve metals regulated by the State of Florida.

Groundwater from one of the shallow PVC wells installed at the site by the sampling crew contained 43 ug/1 of acetone. No other organic contaminants were detected in wells at the site. All four of the wells sampled contained levels of iron (ranging from 0.35 mg/1 to 0.66 mg/1) which exceed Florida Secondary Drinking Water Standards.

Elevated levels of iron in groundwater are common in the Ft. Lauderdale area. However, acetone, though not utilized at Boston Printing, is of concern. A further assessment of the origin and extent of the acetone contamination at the site is recommended, unless it is included in the cleanup of the Hollingsworth Superfund site.

2.0 BACKGROUND

The following sections briefly describe site location, layout, history of use, and remedial actions.

2.1 Location

Boston Printing is located in one building on a one-half acre site on Northwest 57th Place in Fort Lauderdale (Figure 1). The address of the site, along with its latitude and longitude are given below:

Boston Printing Company, Inc. 741 NW 57th Place
Ft. Lauderdale, Florida 33309
Broward County
Latitude 26° 12' 00"; Longitude 80° 09' 00"

2.2 Site Layout

The site layout is shown in Figure 2. The facility is located in a commercial/industrial area approximately 2,000 feet east of municipal well #12. There is a large parking area east of the building, a smaller parking area along the front, a paved alleyway on the north side of the facility, and the west side of the property is fenced off. Grassy areas border the north and east sides of the building and the east side of the large parking area. The north side of the alleyway is a bermed, heavily overgrown, semi-swampy area.

A septic tank and drainfield system is located near the southeast corner of the building. Another drainfield is located near the northeast corner of the facility.

2.3 Ownership History

Boston Printing is owned by M&G Stern Company, whose owner is Mr. George Stern. The facility has been occupied by Boston Printing for approximately four years. Prior to that, the building was used by Hollingsworth Solderless Terminal Company.

2.4 Site Use History

Boston Printing is a photographic printing facility. Raw materials used on-site include silver, n-propanol, hydroquinone, benzyl alcohol, and potassium hydroxide.

The facility is serviced by a municipal water system, but there are no municipal sewers in the area due to undercapacity at the wastewater treatment plant.

Industrial process water goes through a series of two silver recovery units and is discharged directly to a drainfield (this wastewater is sampled and analyzed monthly). Sanitary sewage goes to a septic tank and drainfield.

Prior to occupancy by Boston Printing, the building was used for storage purposes by Hollingsworth.

2.5 Permit and Regulatory History

As of October 1985, Boston Printing held a permit from Broward County Water Resources Management Division (WRMD), Wellfield Protection Ordinance Application No. 304.

The company has been issued several Warning Notices and a Notice of Violation which stemmed from a failed drainfield. Broward County Environmental Quality Control Board (BCEQCB) now samples the effluent to the drainfield on a monthly basis.

2.6 Remedial Action

In April 1985, a new drainfield was constructed to replace the failed system.

3.0 ENVIRONMENTAL SETTING

The following sections provide a description of the environmental setting based on the site reconnaissance, site investigation, and a review of available data.

3.1 Climate and Meteorology

The climate in Ft. Lauderdale is classified as subtropical. Average temperatures range from 67°F in January to 82°F in July and August. Mean annual rainfall is 60 inches and is unevenly distributed throughout the year. Rainfall averages 44 inches from October to May, and only 16 inches from November to April. The maximum 24-hour rainfall recorded at Ft. Lauderdale was 10.85 inches in October 1947. Annual evapotranspiration averages 52 inches per year, therefore there are only 8 inches of rainfall available annually for groundwater recharge or surface runoff (Ref. 6, p. 42, 53, 54).

3.2 Topography

The ground surface in the vicinity of Boston Printing is approximately 10 feet above mean sea level and relatively flat. Local changes in elevation are less than three feet (Ref. 2).

3.3 Surface Water

Rainwater at Boston Printing infiltrates into the soil in grassy areas on the north and east of the site or runs off toward the alley which borders the site on the north and the street which borders the site to the south. There is no evidence that catch basins in the area overflow after heavy rains (Ref. 5).

3.4 Geology and Soils

The geology of the Ft. Lauderdale area is composed primarily of sands and limestone formations. Near Boston Printing the surficial sands (8-15 feet thick) are part of the Pamlico Sand. Beneath the Pamlico Sand are approximately 60 feet of quartz and calcareous sands and 90 feet of limestone which make up the Pliestocene Anastasia Formation. The Pliocene Tamiami Formation, 50 feet of limestone over 80 feet of sand, lies beneath the Anastasia Formation.

The Pamlico Sands, Anastasia Formation and the Tamiami Formation are highly permeable deposits and form the unconfined Biscayne aquifer. At the base of the Biscayne aquifer, 290 feet below ground surface, lies impermeable siltstone of the Hawthorn Formation.

The Anastasia and Tamiami Formations thicken to almost 400 feet near the coast and thins to approximately 120 feet in western Broward County. To the south, in Dade County, the deposits of the Biscayne aquifer are primarily solution riddled limestone. The aquifer becomes more sandy to the north (Ref. 25, sheets 1 and 2).

3.5 Groundwater

The Biscayne aquifer is a highly permeable, unconfined aquifer which provides drinking water for nearly 3,000,000 people in southern Florida. The aquifer has been designated as a "sole-source aquifer" by the United States Environmental Protection Agency (Ref. 15).

Regional flow in the Biscayne aquifer is from west to east. The Everglades is an important source of recharge to the aquifer. The water table is within 10 feet of the ground surface throughout the area. Local groundwater flow directions are strongly influenced by the Cypress Creek Canal to the north of Boston Printing and by pumping of the 44 municipal wells of the Executive/Prospect Wellfield. In the absence of pumping, groundwater is estimated to flow toward the southeast near the Executive Airport (Ref. 23). Pumping at the wellfield has caused a large cone-of-depression and formation of a north-south groundwater divide. Changing well operations have caused this divide to migrate from east of Powerline Road in 1979 and 1980, to west of Powerline Road since 1982 (Ref. 22).

The Boston Printing site is 2,000 feet east of municipal well #12. Groundwater at the site is estimated to flow to the southeast, away from the wells. Prior to 1980 groundwater beneath the site flowed toward the municipal wells.

3.6 Land Use

Boston Printing is located in a commercial/industrial area near the Executive Airport. The site is 3,000 feet east of the airport. There are densely populated residential developments less than 1,000 feet east and 1,000 feet south of the site. There are also a number of recreational facilities adjacent to the Executive Airport including two large athletic stadiums approximately 1500 feet southwest of Boston Printing.

3.7 Population Distribution

Boston Printing is located in a primarily industrial area, but is near densely populated residential areas. Based on surrounding land use it is estimated that greater than 10,000 people live or work within one mile of the site. The most densely populated areas are the residential developments to the east and southeast (Ref. 2 and Ref. 5).

3.8 Water Supply

4

All of the residents of Ft. Lauderdale receive their water from the Biscayne aquifer. The municipal wells at the nearby Executive/Prospect Wellfield currently provide 37 million gallons of water per day. The wells range in depth from 75 to 150 feet and have capacities ranging from 600 to 1200 gpm. To date 13 of the 44 municipal wells have produced water containing volatile organic contamination (Ref. 6, p. 187 and Ref 22, Table 3-17).

3.9 Critical Environments

There are no critical environments in the immediate vicinity of Boston Printing. Threatened species in the Ft. Lauderdale area include the Limpkin, the Manatee, the Eastern Brown Pelican, and the Sandhill Crane (Ref. 24, p. 26, 36, 40, 62).

4.0 SITE INVESTIGATION

The following sections briefly describe the reconnaissance survey and sample collection episode conducted at the site by the Jordan Company.

4.1 Reconnaissance Survey

On October 1, 1985, D. Wilderman and C. Goodwin of the E.C. Jordan Co. performed a reconnaissance inspection at Boston Printing. During the visit, an interview was conducted with Mr. George Stern, the facility owner, and Mr. Bruce Hayes, assistant operator. Historical information, site ownership, substances stored on-site, waste disposal practices, and general operating procedures were among the items discussed. Following the interview, the site perimeter, potentially contaminated zones, approximate depth to the water table, and sampling areas were identified. A sampling plan was then prepared for review/approval by FDER.

4.2 Sample Collection

On December 18, 1985 E.C. Jordan Co. representatives (J. Farry and C. Goodwin) returned to Boston Printing and collected five groundwater samples. Groundwater samples were collected from four 1.25 inch diameter PVC wells installed by the sampling crew. Duplicate groundwater samples were taken at location GW-2. See Figure 2 for the location of sampling points. Samples were collected for analysis of volatile and semivolatile organics, pesticides and PCBs, oil and grease, and the twelve metals regulated by the State of Florida. Field measurements for pH, temperature, and specific conductance were obtained at each groundwater sample location and are presented in Table 1.

Wells were installed by digging to the water table using a post-hole digger and stainless steel bucket auger. Both pieces of equipment were decontaminated between diggings with first, a soap and water brushing, second, a deionized water spray rinse, third, a combination deionized water/isopropanol spraying, and finally, a deionized water rinse.

The PVC well screen and riser sections were rinsed with deionized water, assembled, inserted into the dug holes, and driven (using a rubber headed mallet) to advance the screen as far as possible below the water table (usually about three feet). The annular space was then backfilled with SACRETE brand all-purpose sand.

Prior to collection of groundwater samples at the wells, depth to water, depth of the well, and height of the well casing above ground surface were measured in order to calculate the appropriate volume of water to be purged before sampling. The wells were purged by pumping three to five well volumes using an ISCO Model 1580 Superspeed peristaltic pump.

When an appropriate volume of water had been purged, the samples for metals analysis and for field measurements of pH, temperature, and specific conductivity were collected through the pump unit. Pump tubing was decontaminated between wells by running approximately one liter of 1:1 deionized water and isopropanol through the tubing followed by one liter of deionized water. The outside of the tubing was spray rinsed using deionized water, then 1:1 water and isopropanol, and finally deionized water.

Samples for organic parameters were collected using an 80 ml stainless steel bailer. Semi-volatile sample containers were lined up adjacent to the well where equal volumes were alternately poured into each container until all were filled. The containers were then capped, placed in coolers, and packed with ice. The 40 ml volatile organic sample containers were filled to overflowing, immediately capped, and also placed in the cooler.

The stainless steel bailer was decontaminated between wells by brushing with a soap and deionized water mixture and rinsing with deionized water, then 1:1 water and isopropanol, and finally deionized water. The bailer cord was discarded after sampling each well.

Sampler blanks were collected for metals, volatile organics and semi-volatile organics. The metals blanks were collected through the pump tubing (after decontamination) using blank water prepared by the BCEQCB Environmental Laboratory. Volatile and semi-volatile organic sampler blanks were collected by pouring the blank water into the decontaminated bailer and then into the sample containers.

5.0 WASTE TYPES AND QUANTITIES

The following section provides information about the wastes generated at Boston Printing. This information was gathered during the file review and reconnaissance interview.

5.1 Waste Types

Boston Printing generates liquid wastes during the photographic development process. The process water goes through two silver recovery units in series, and the supernatant is directly discharged to the drainfield (sampled on a monthly basis). Sanitary wastes from the facility go to a septic tank and drainfield. Solid wastes are deposited in an on-site dumpster.

5.2 Waste Quantities

Waste photographic chemicals are generated at approximately 1-3 gallons per day. The recovered silver (in liquid form) is stored in drums. Approximately one-half liter per hour is collected from developer machines in five-gallon pails. Solvents used on rags for cleaning photographic chemicals used at the facility are in enclosed systems and some volatilization may occur.

No chemical consumption records are kept by Boston Printing.

5.3 Waste Disposal Methods

Recovered silver stored in drums is removed by a licensed hauler. Rags used for cleaning are picked up by an industrial laundry. Solid wastes deposited in the on-site dumpster are removed by the municipal trash hauler.

The sanitary wastes at Boston Printing go to a septic system and drainfield. The industry process wastewater is discharged to an on-site drainfield after it is treated by two (Polychrome SM 75) silver recovery units.

6.0 SAMPLING RESULTS

The following sections describe the results of chemical analyses and the quality assurance review of the data collected at Boston Printing.

6.1 Results of Chemical Analysis

The data from laboratory analysis and field measurements are presented in Table 1. It can be seen that Florida Secondary Drinking Water Standards were exceeded for iron (ranging from 0.35 mg/l to 0.66 mg/l) in all sampling locations. GW-l also contained 43 ug/l acetone. No other organic contaminants were detected at the site.

6.2 Quality Assurance Review

Sample collection procedures and analyses were conducted in accordance with Jordan's Quality Assurance Project Plan. Field procedures followed at Boston Printing are described in Section 4.2. All samples and blanks for elemental analysis were preserved with 1 ml of nitric acid. Oil and grease samples were preserved with 1.5 mls of sulfuric acid.

A trip blank, prepared in advance at Jordan's laboratory, was analyzed for volatile organics. This trip blank was sent for analysis on December 19, 1985, along with samples from both Boston Printing and Bradley Aviation. No volatile organics above the minimum reportable concentrations (MRC) were detected in the trip blank. A sampler blank was collected before sampling of station GW-1 following the procedure described in section 4.2. All chemicals in the sampler blank were below MRC, except iron (0.12 mg/1). Duplicate water samples were collected at location GW-2. The results of the duplicate laboratory analyses were within acceptable limits. Metals detected in GW-2 and the duplicate from that location include copper (0.006 mg/1 and 0.006 mg/1), iron (0.66 mg/1 and 0.44 mg/1), manganese (0.037 mg/1 and 0.038 mg/1). and zinc (0.007 mg/1 and 0.006 mg/1).

7.0 TOXICOLOGICAL/CHEMICAL CHARACTERISTICS

Acetone is known to be a skin and eye irritant at high levels (500 mg/l or above). The level at which acetone was detected in GW-1 is considerably below the level at which it is a health concern.

Iron exceeds Florida Secondary Drinking Water Standards in all wells at Boston Printing. These regulations have been established primarily to minimize objectionable taste and appearance. Little or no likelihood of toxicity from iron in drinking water is expected and iron is considered to be an essential nutrient for human health.

8.0 CONCLUSIONS AND RECOMMENDATIONS

The following is a summary of results from sampling at Boston Printing, along with recommendations for further action at the site.

8.1 Conclusions

Analyses of laboratory and field data collected from Boston Printing indicate the following:

- o Groundwater from GW-1, near a drum storage area, contained 43 ug/1 of acetone. No other organic contamination was detected at the site.
- Analyses of groundwater from the four wells installed at the site detected levels of iron which exceed Florida Secondary Drinking Water Standards. No other metals exceeded standards.

o None of the chemicals found in groundwater samples from the site is used at Boston Printing.

8.2 Recommendations

Boston Printing does not use acetone in its printing operations. However the previous occupant, Hollingsworth Solderless Terminal Company is known to have contaminated groundwater near to the site and may have used acetone. The levels of acetone found at the site are below the levels which effect human health, an assessment of the extent and movement of acetone in the groundwater at the site and in the surrounding area is recommended, unless the probelm is addressed by the cleanup of the Hollingsworth Superfund site.

TABLES

TABLE 2 SAMPLING SUMMARY

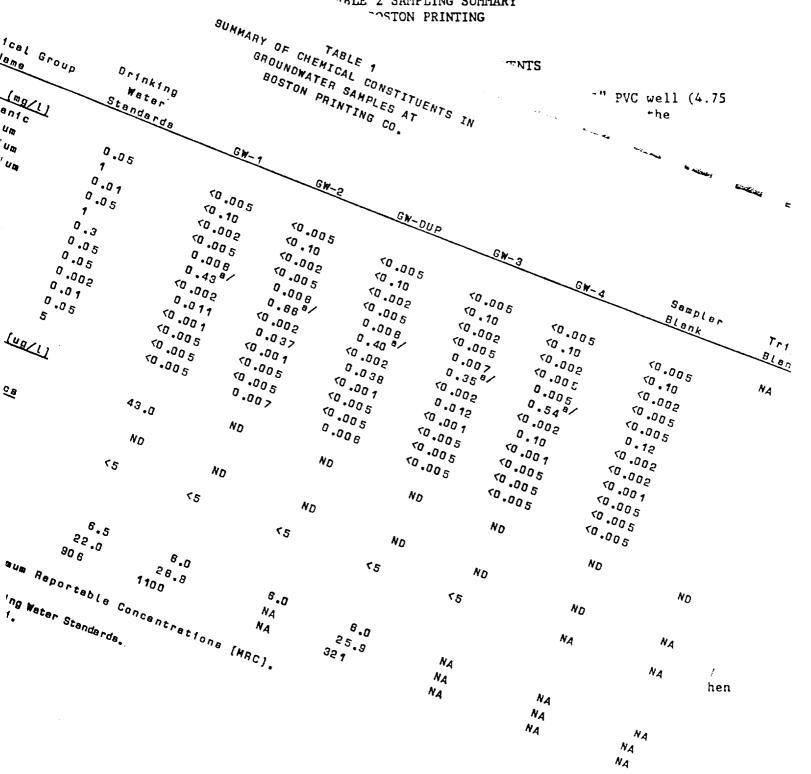


TABLE 2 SAMPLING SUMMARY BOSTON PRINTING

SAMPLE

COMMENTS

GW-1

Taken from a shallow hand augered 1.25" PVC well (4.75 feet deep) which was located 38.0 feet from the northwest corner and 37.0 feet from the northeast corner of the of the fence surrounding the drum storage area. Depth to water was 2.75 feet. The recharge rate of the well was faster than the pumping rate of the peristaltic pump. The water was slightly turbid for the metals sample, but grew more turbid when bailing to collect the organics samples.

GW-2

Taken from a shallow hand augered 1.25" PVC well (5.0 feet deep) which was located 23.3 feet from the northeast corner of the building and 30.3 feet from the northeast corner of the bottom step of the staircase on the north side of the building. Depth to water was 2.8 feet. The recharge rate of the well was slower than the pumping rate of the peristaltic pump. The water was slighlty turbid for the metals sample, but grew more turbid when bailing to collect the organics samples.

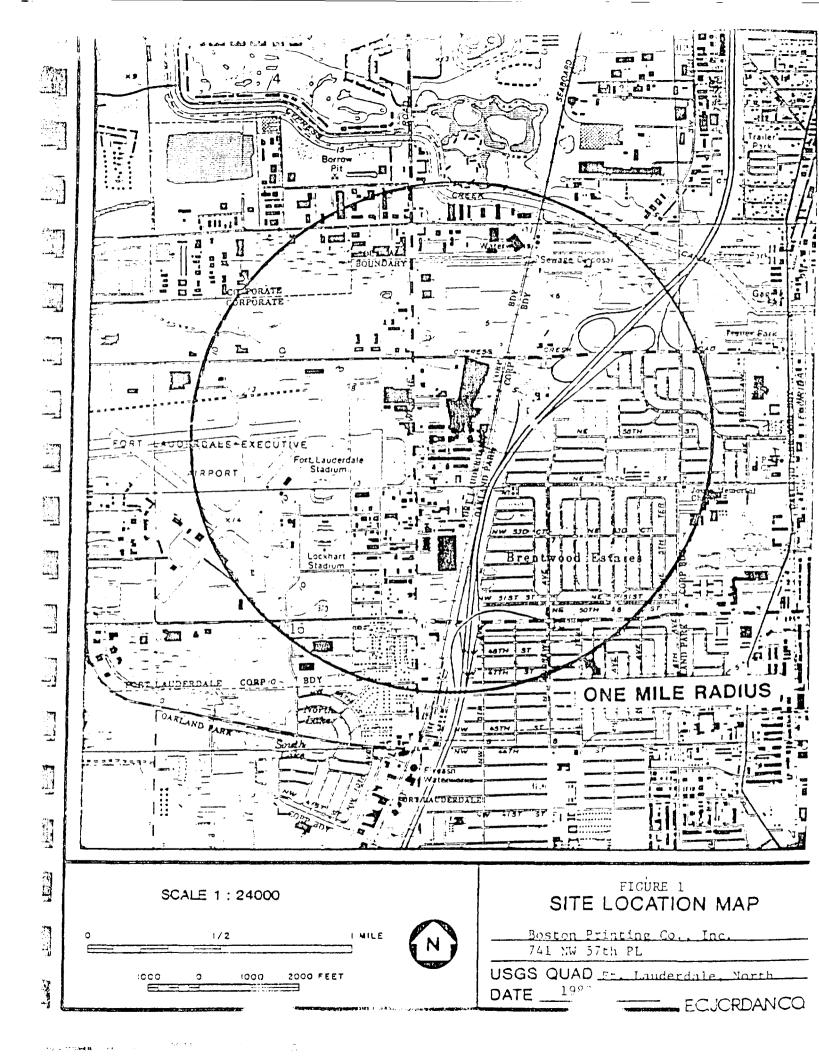
GW-3

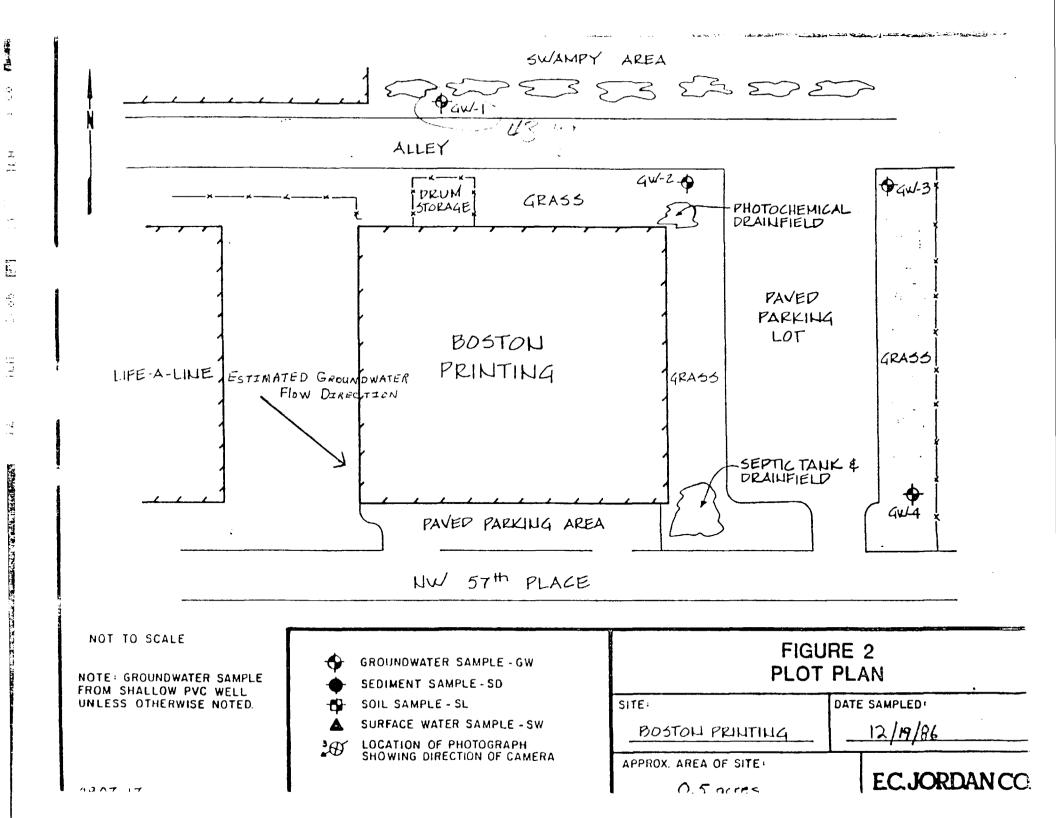
Taken from a shallow hand augered 1.25" PVC well (5.0 feet deep) which was located 12 feet south of the northeast corner of the fence on the east of th site, and 1 foot in from the pavement. Depth to water was 2.6 feet. The recharge rate of the well was faster than the pumping rate of the peristaltic pump. The water was slightly turbid for the metals sample, but grew more turbid when bailing to collect the organics samples.

GW-4

Taken from a shallow hand augered 1.25" PVC well (5.0 feet deep) which was located 16.0 feet north and 2 feet west of the southeast corner of the fence on the east side of the site. Depth to water was 3.0 feet. The recharge rate of the well was faster than the pumping rate of the peristaltic pump. The water was slightly turbid for the metals sample, but grew more turbid when bailing to collect the organics samples.

FIGURES OF THE SITE

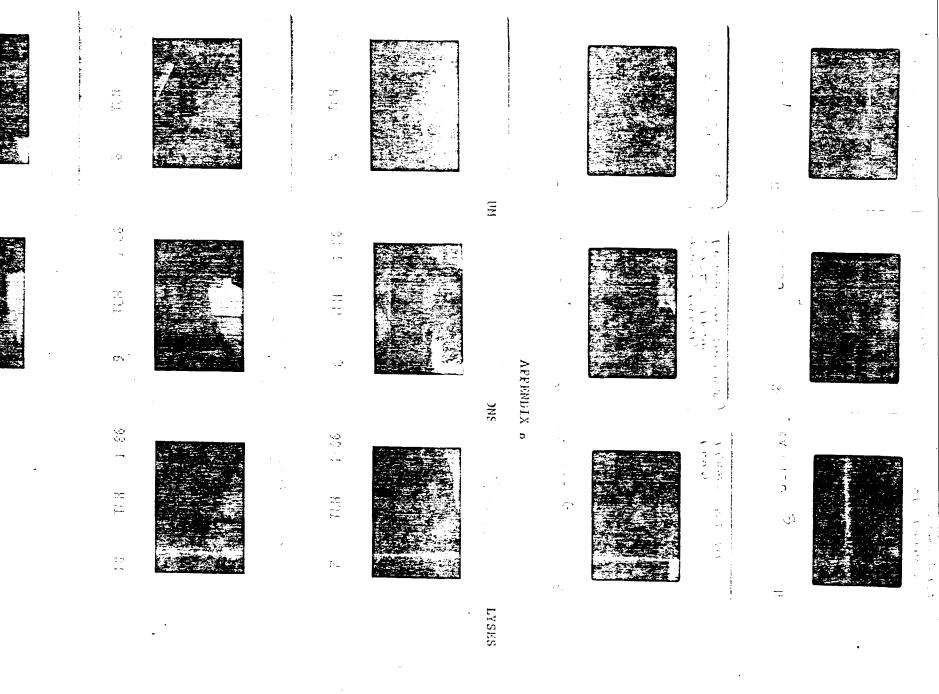




APPENDIX A
PHOTOGRAPHS OF THE SITE

,

Link appearance of the second



E.C. JORDAN CO.

ENVIRONMENTAL LABORATORY SERVICES

MINIMUM REPORTABLE CONCENTRATIONS HAZARDOUS SUBSTANCE LIST ORGANICS ROUTINE ANALYTICAL SERVICES

APPENDIX B

MINIMUM REPORTABLE CONCENTRATIONS (MRC's) OF ORGANIC ANALYSES

ORGANOCHLORINE PESTICIDES AND PCBs MINIMUM REPORTABLE CONCENTRATIONS

COMPOUND	WATER (µg/l) ¹	SOIL (µg/kg)	
Aldrin	0.004	2.0	
α-ВНС	0.003	2.0	
β-ВНС	0.003	2.0	
δ-ВИС	0.009	2.0	
γ-BHC (Lindane)	0.003	2.0	
Chlordane	0.014	20	
4,4'-DDD	0.011	4.0	
4,4'-DDE	0.004	4.0	
4,4'-DDT	0.012	4.0	
Dieldrin	0.002	4.0	
Endosulfan I	0.014	2.0	
Endosulfan II	0.004	4.0	
Endosulfan sulfate	0.066	4.0	
Endrin	0.006	4.0	
Endrin aldehyde	0.023	4.0	
Endrin ketone	0.040	4.0	
Heptachlor	0.003	2.0	
Heptachlor epoxide	0.083	2.0	
dethoxychlor	0.100	20	
loxaphene	0.24	40	
PCB-1016	0.065	20	
PCB-1221	0.065	20	
PCB-1232	0.065	20	
PCB-1242	0.065	20	
PCB-1248	0.065	20	
PCB-1254	0.065	40	
PCB-1260	0.065	40	

¹ 40 CFR Part 136, Friday, October 26, 1984, Method No. 608, pp. 43321-43336.

² Preparation: Caucus Organics Protocol. Analysis: ibid.

VOLATILE ORGANIC COMPOUNDS MINIMUM REPORTABLE CONCENTRATIONS

COMPOUND	WATER (µg/l) ¹	SOIL (µg/kg) ²
Acetone	10	400
Benzene	10	400
Bromodichloromethane	10	400
Bromoform	10	400
Bromomethane	10	400
2-Butanone	10	400
Carbon disulfide	10	400
Carbon tetrachloride	10	400
Chlorobenzene	10	400
Chloroethane	10	400
2-Chloroethylvinyl ether	10	400
Chloroform	10	400
Chloromethane	10	400
Dibromochloromethane	10	400
1,1-Dichloroethane	10	400
1,2-Dichloroethane	10	400
1,1-Dichloroethene	10	400
trans-1,2-Dichloroethene	10	400
1,2-Dichloropropane	10	400
cis-1,3-Dichloropropene	10	400
trans-1,3-Dichloropropene	10	400
Ethylbenzene	10	400
2-Hexanone	10	400
4-Methyl 2-Pentanone	10	400
Methylene chloride	10	400
Styrene	10	400
1,1,2,2-Tetrachloroethane	10	400
Tetrachloroethene	10	400
1,1,1-Trichloroethane	10	400
1,1,2-Trichloroethane	10	400
Trichloroethene	10	400
Trichlorofluoromethane ³	10	400
Toluene	10	400
Vinyl acetate	10	400
Vinyl chloride	10	400
Total xylenes	10	400

¹ 40 CFR Part 136, Friday, October 26, 1984, Method No. 624, pp. 43373-43384.

3.86.67 0004.0.0

Preparation - Aqueous Extraction Procedure: "Development of Analytical Test Procedures for the Measurement of Organic Priority Pollutants in Sludge and Sediments," Midwest Research Institute Final Report, EPA Contract No. 68-03-2695, June 26, 1979. Analysis - ibid.

³Priority pollutant only.

BASE/NEUTRAL EXTRACTABLES MINIMUM REPORTABLE CONCENTRATIONS

COMPOUND	WATER (µg/l) ¹	SOIL (µg/kg)²
Acenaphthene	10	330
Acenaphthylene	10	330
Aniline	10	330
Anthracene	10	330
Aldrin	10	330
Benzo(a)anthracene	10	330
Benzo(b)fluoranthene	10	330
Benzo(k)fluoranthene	10	330
Benzo(a)pyrene	10	330
Benzo(g,h,i)perylene	10	330
Benzyl alcohol	10	330
β-ВНC	10	330
б-внс	10	330
bis(2-Chloroethyl)ether	10	330
bis(2-Chloroethoxy)methane	10	330
bis(2-Chloroisopropyl)ether	10	330
bis(2-Ethylhexyl)phthalate	10	330
4-Bromophenyl phenyl ether	10	330
Butylbenzylphthalate	10	330
Chlordane	10	330
4-Chloroaniline	10	330
2-Chloronaphthalene	10	330
4-Chlorophenyl phenyl ether	10	330
Chrysene	10	330
4,4'-DDD	10	330
4,4'-DDE	10	330
4,4'-DDT	10	330
)ibenzo(a,h)anthracene	10	330
)ibenzofuran	10	330
)i-n-butylphthalate	10	330
,3-Dichlorobenzene	10	330
,2-Dichlorobenzene	10	330
,4-Dichlorobenzene	10	330
3,3'Dichlorobenzidine	10	330
ieldrin	10	330
Diethylphthalate	10	330
elimethylphthalate	10	330
,4-Dinitrotoluene	10	330
,6-Dinitrotoluene	10	330
i-n-octylphthalate	10	330
ndosulfan sulfate	10	330
indrin aldehyde	10	330

BASE/NEUTRAL EXTRACTABLES (continued)

COMPOUND	WATER (µg/l)¹	SOIL (µg/kg) ²
F1		220
Fluoranthene	10	330
Fluorene	10 .	330
Heptachlor	10	330
Heptachlor epoxide	10	330
Hexachlorobenzene	10	330
Hexachlorobutadiene	10	330
Hexachloroethane	10	330
Indeno(1,2,3-c,d)pyrene	10	330
Isophorone	10	330
2-Methylnaphthalene	10	330
Naphthalene	10	330
Nitrobenzene	10	330
2-Nitroaniline	10	330
3-Nitroaniline	10	330
4-Nitroaniline	10	330
N-Nitrosodi-n-propylamine	10	330
PCB-1016	10	330
PCB-1221	10	330
PCB-1232	10	330
PCB-1242	10	330
PCB-1248	10	330
PCB-1254	10	330
PCB-1260	10	330
Phenanthrene	10	330
Pyrene	10	330
Toxaphene	10	330
1,2,4-Trichlorobenzene	10	330

¹ 40 CFR Part 136, Friday, October 26, 1984. Method No. 625, pp. 43385-43406.

² Preparation: Caucus Organics Protocol. Analysis: ibid.

ACID EXTRACTABLES MINIMUM REPORTABLE CONCENTRATIONS

COMPOUND	WATER (µg/l) ¹	SOIL (µg/kg)²
Benzoic acid	10	330
4-Chloro-3-methylphenol	10	330
2-Chlorophenol	10	330
2,4-Dichlorophenol	10	330
2,4~Dimethylphenol	10	330
2,4-Dinitrophenol	10	330
2-Methylphenol	10	330
4-Methylphenol	10	330
2-Methyl-4,6-dinitrophenol	10	330
2-Nitrophenol	10	330
4-Nitrophenol	10	330
Pentachlorophenol	10	330
Phenol	10	330
2,4,5-Trichlorophenol	10	330
2,4,6-Trichlorophenol	10	330

ADDITIONAL EXTRACTABLE PARAMETERS MINIMUM REPORTABLE CONCENTRATIONS

COMPOUND	WATER (µg/l) ¹	SOIL (µg/kg)²
Benzidine	10	330
α-BHC	10	330
Y-BHC	10	330
Endosulfan I	10	330
Endosulfan II	10	330
Endrin	10	330
Hexachlorocyclopentadiene	10	330
N-Nitrosodimethylamine	10	330
N-Nitrosodiphenylamine	10	330
• •		

¹ 40 CFR Part 136, Friday, October 26, 1984. Method No. 625, pp. 43385-43406.

3.86.67 0007.0.0

² Preparation: Caucus Organics Protocol. Analysis: ibid.

METALS
MINIMUM REPORTABLE CONCENTRATIONS (MRC's)

COMPOUND	WATER (UG/L)	SOIL (MG/KG)	EP-TOXICITY (UG/L)
Arsenic	5	1.0	5
Barium	100	50.0	100
Cadmium	2	1.0	2
Chromium	5	2.5	5
Copper	5	2.5	NA
Iron	5	2.5	NА
Lead	2	10.0	20
Manganese	5	2.5	NA
Mercury	1.0	0.5	1.0
Selenium	5	1.0	5
Silver	5	2.5	5
Zinc	5	2.5	NA

SITE INSPECTION REPORT

FOR

BOSTON PRINTING CO., INC. FT. LAUDERDALE, BROWARD COUNTY, FLORIDA FLD073869414

\$	E	P/	7
IL SITE	NAR	E A	N

Willard Murray

EPA FORM 2070-13 (7-81)

I. IDENTIFICATION POTENTIAL HAZARDOUS WASTE SITE OI STATE | 02 SITE NUMBER | FL | D073869414 SITE INSPECTION REPORT PART 1 - SITE LOCATION AND INSPECTION INFORMATION D LOCATION O1 SITE NAME (Lapid, comment, or sescriptive some of large 02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER Boston Printing Co., Inc. 741 NW 57th Place 04 STATE | 06 ZIP CODE 06 CONG 07COUNT Ft. Lauderdale 33309 Broward 17 09 COORDINATES 10 TYPE OF OWNERSHIP (Check on . C C. STATE C D. COUNTY C E. MUNICIPAL A PRIVATE (8. FEDERAL. 12 0 0 . 0 | 08 0 0 9 0 0 . 0 D F. OTHER . III. INSPECTION INFORMATION OI DATE OF INSPECTION OJ YEARS OF OPERATION 10 , 1 , 85 1981 Present UNKNOWN I MACTIVE BEGINNING YEAR ENDING YEAR 04 AGENCY PERFORMING INSPECTION (Check at that apply) C. MUNICIPAL D. MUNICIPAL CONTRACTOR ☐ A, EPA ☐ B, EPA CONTRACTOR Jordan Co. □ E. STATE □ F. STATE CONTRACTOR E.C. _ C G. OTHER_ (Samort) 07 ORGANIZATION 06 TELEPHONE NO. (nn4) 656-12<u>93</u> David Wilderman Field Geologist E.C. Jordan CO OTHER INSPECTORS 11 CRGANIZATION IS TELEPHONE NO. 10 TILE (904) 656-1293 Chuck Goodwin Environmental Tech. E.C. Jordan , 9 18 TELEPHONE NO 13 SITE REPRESENTATIVES INTERVIEWED 15ADORESS (305) 491-2121 Same Asst.Operator Bruce Hayes George Stern Owner)) .) 17 ACCESS GAINED BY 19 WEATHER CONCITIONS 18 TIME OF INSPECTION Z PERMISSION Fair to Pt. Cloudy/82°/85% Humidity WARRANT 8:30 A-11:30 IV. INFORMATION AVAILABLE FROM 31 CONTACT G2 OF IADMICH ORDERS MORE CO TELEPHONE NO. (904) 488-0190 FDER Eric Nuzie 107 TELEPHONE NO. 1 28 DATE DA PERSON RESPONSIBLE FOR SITE INSPECTION FORM CS AGENCY DE DEGANIZATION

M/A

E.€

dan Co.

2,10.86

FAST TAC HTHOM

207-775-5401

SEPA		1
-------------	--	---

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 2 - WASTE INFORMATION

and the state of the same of t

ILIDENTIFICATION
OF STATE TO 2 STEENWARD
FL. DO7386941

				TE INFORMATION	4	FL DO	73869414
II. WASTE	STATES, QUANTITIES, A						
OT PHYSICAL	STATES (Check at their apply)	02 WASTE QUAN	HITTY AT SITE	03 WASTE CHARACT	ERISTICS (Crock as an	W SCOTT	•
CI A SOUD CI B. POWO CI C. SLUDG	II E. SLUTRRY ER, FINES IX F UOUTO LE II G. GAS	TONS	unknown	E A. TOXIC SI B. CORRO CI C. RADIOA	DESO SIVE DENF COTIVE DAN	echous I J. 507 Wanable II K. Rea	CTIVE
C D. OTHE	(Soecry)	NO. OF DRUMS	unknown	Z O. PERSIS	IEMI J. H. CA		APPLICABLE
IL WASTE	TYPE						
CATEGORY	SUBSTANCE N	AME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS		
SLU	SLUDGE				Recovered	l silver is s	tored in
OLW	OILY WASTE					l picked up b	
SOL	SOLVENTS				licensed	hauler.	<u> </u>
PS0	PESTICIDES						
occ	OTHER CRGANIC CH	EMICALS	unknown				
100	INORGANIC CHEMIC	ALS	unknown				
ACO	ACIDS						
BAS	BASE5	······	unknown				
MES	HEAVY METALS		unknown				· · · · · · · · · · · · · · · · · · ·
V. HAZARDO	OUS SUBSTANCES (500 Acc	ends he mest heduan	ev cree CAS Aumoure)				
1 CATEGORY	02 SUBSTANCE NA		03 CAS NUMBER	04 STORAGE/DISP	OSAL METHOD	OS CONCENTRATION	DO NEASURE D
MES	Silver		7440-22-4	DR		unknown	
OCC	N-Propanol		71-23-8	Drainfield		unknown	
OCC	Benzyl Alcohol	······································	100-51-6	Drainfield		unknown	
OCC	Hydroquinone		123-31-9	Drainfield		unknown	
BAS	Potassium Hydro	xide	1310-58-3	Drainfield		unknown	
							
							1
						1	
						<u> </u>	
			,				
			·				
							
						<u> </u>	1
							
							
1					,		<u> </u>
FEEDSTO	XS (See Appendix for CAS Marrows)	N/A					
CATEGORY	01 FEEDSTOCK	NAME	02 CAS MUMBER	CATEGORY	01 FEEDSTO	CX HAME	02 CAS NUMBER
FCS				FDS			
FC9				FOS			· · · · · · · · · · · · · · · · · · ·
FDS				FDS			
FDS				FDS			
	OF INFORMATION CHE MA		trare rise, serrous anarvant rise	DOTE!			
E.C. J	ordan Co. site tached reference	inspection					

SEPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

L IDENTIFICATION

01 STATE 02 SITE NUMBER

FL D073869414

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS
IL HAZARDOUS CONDITIONS AND INCIDENTS
01 & A GROUNDWATER CONTAMINATION 02 Ø OBSERVED (DATE: 12-19-85) POTENTIAL ALLEGED 03 POPULATION POTENTIALLY AFFECTED: 10,000+ 04 NARRATIVE DESCRIPTION
Acetone was detected in the groundwater behind the facility at 43 ug/l. This well
is located near the drum storage area. Iron was detected in all wells and ranged
from 0.35 mg/l to 0.66 mg/l (Table 1).
01 3 8. SURFACE WATER CONTAMINATION 10,000+ 02 C OBSERVED (DATE:) 3 POTENTIAL C ALLEGED 04 NARRATIVE DESCRIPTION
Potential leaks in the effluent piping system could lead to surface spills which
in turn could impact a pond 1500 ft. southwest of the site. Past malfunctions of the
septic drainfield system have caused standing water on-site. No surface water samples
have been taken.
01 & C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED: 1-100 04 HARRATIVE DESCRIPTION 04 HARRATIVE DESCRIPTION
Inspectors at the site noticed a strong solvent odor both inside and outside the
building. PI meter readings in the building were as high as 28 ppm.
01 & 0. FIRE/EXPLOSIVE CONDITIONS 1 100 02 C OBSERVED (DATE:) & POTENTIAL C ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 1-100 04 NARRATIVE DESCRIPTION
N-propanol, which is used on-site, is flammable. There have been no reports of past
fires at the site.
01 3 5 DIPECT CONTACT , 100 02 CI OBSERVED (DATE:) ZI POTENTIAL CI ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 1-100 04 NARRATIVE DESCRIPTION
Workers may come in direct contact with volatile and toxic chemicals during work
related activities.
01 \$\text{S} F CONTAMENATION OF SCIL 0.5 02 CI OBSERVED (DATE:
63 AREA POTENTIALLY AFFECTED: LANGUAGE DESCRIPTION
Spills or leaks of solvents may contaminate soil which surrounds the facility.
01 3 G. DRINKING WATER CONTAMINATION 02 DOBSERVED (DATE:) 3 POTENTIAL CLAUGED 04 NARRATIVE DESCRIPTION
This facility is located 2,000 feet east of a drinking water well. Contaminants
in the groundwater may reach this well.
01 S. H. WORKER EXPOSURE/INJURY 1-100 02 C. OBSERVED (DATE:) 3 POTENTIAL C. ALLEGED 04 NARRATIVE DESCRIPTION
Workers may come in direct contact with volatile and toxic chemicals during work
related activities. PI meter readings in the building were as high as 28 ppm.
refuted delivities. It meter reddings in the burnding were do nigh do so ppm.
21 ST. POPULATION EXPOSURE/INJURY 10,000+ 32 II OBSERVED IDATE: 1 POTENTIAL II ALLEGED 04 NARRATIVE DESCRIPTION
Population may be exposed to contaminants via groundwater, surface water, drinking
water, soil, and direct contact.

SEPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

L IDENTIFICATION

O1 STATE C2 SITE NUMBER

FI. D073869414

1000

THE THE RESERVE THE PROPERTY OF THE PARTY OF

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS FL D073869414 .
IL HAZARDOUS CONDITIONS AND INCIDENTS (Comment)
01 © J. DAMAGE TO FLORA 02 © OBSERVED (DATE:
Contact with contaminants may damage plant life. There have been no observed or
reported damages to the plant life on-site.
01 CE K. DAMAGE TO FAUNA 02 CI OBSERVED (DATE:) SI POTENTIAL CI ALLEGED 04 NARRATIVE DESCRIPTION (POLICE PARTIES) OF SOCIETY
Contact with contaminants may injure wildlife. The facility is located in a commercial/industrial area which is largely devoid of wildlife.
01 🖫 L CONTAMINATION OF FOOD CHAIN 02 🗆 OBSERVED (DATE:) S POTENTIAL COLLEGED 04 NARRATIVE DESCRIPTION
Silver, which is recovered at the site, is persistent in the environment and may contaminate the food chain.
01 & M. UNSTABLE CONTAINMENT OF WASTES 02 \$3 OBSERVED (DATE: 6/8/84) C POTENTIAL C ALLEGED
03 POPULATION-POTENTIALLY AFFECTED: 1-100 04 NARRATIVE DESCRIPTION
The industrial drainfield on-site failed, and standing water collected on-site (6/8/84). No tests were made on the standing water or soil. BCEOCB issued an NOV on 7/12/84.
01 D N. DAMAGE TO OFFSITE PROPERTY 02 D OBSERVED (DATE:) POTENTIAL ALLEGED
04 NARRATIVE DESCRIPTION
None observed or reported.
01 C O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 02 C OBSERVED (DATE:) C POTENTIAL C ALLEGED 04 NARRATIVE DESCRIPTION
None observed or reported. This facility is not connected to a municipal sewage system.
01 C P ILLEGAL/UNAUTHORIZED DUMPING 02 C OBSERVED (DATE:) C POTENTIAL C ALLEGED 04 NARRATIVE DESCRIPTION
None observed or reported.
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL OR ALLEGED HAZARDS
CONTRACT AND CONTRACT OF CONTR
None known.
IIL TOTAL POPULATION POTENTIALLY AFFECTED: 10,000+
IN COMMENTS
Samples of the effluent from the silver recovery system have been taken by BCEOCB $(2/12/85)$. The effluent has contained methylene chloride (9.6 mg/l) , chloroform (47 mg/l) and bromodichloromethane (11.4 mg/l) . Other sampling found no problems.
V. SOURCES OF INFORMATION (Cue soecute references, e. 7., state (res. service reservat, records)
E.C. Jordan Co. site inspection, 10/1/85 See attached reference list.

\vdash \vdash \vdash \vdash \vdash

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION BY A PERMIT AND DESCRIPTIVE INFORMATION

i	I. IDENTIFICATION				
	OI STATE	02 SITE NUMBER	•		
1	FL	D073869414			

IL PERMIT INFORMATION	L PERMIT INFORMATION 01 PUBLIF NUMBER 03 DATE BSUED 04 EXPRANON BATE 05 COMMENTS	GLIA	PART 4 - PE		SPECTION ESCRIPTIVE INFORM	IATION	FL D0738694
STEAMPRISE STATE THE SOURCE	STATE STATE SECOND STATE STATE STATE STATE STATE STATE S	IL PERMIT INFORMATION					
□A MPDES □B UIC □C ARR □C ACRA □E ACRAINTENIN STATUS □E SPECELAN □C STATE THEORY □C SPECELAN □C SPECELAN □C STATE THEORY □C SPECELAN □C SPECE	CA MPOES CB. UC CC. ARR CD. ACRA CE. ACRAINTERIM STATUS CF. SPECTAM CB. STATE:::::::::::::::::::::::::::::::::::	01 TYPE OF PERMIT ISSUED	02 PERMIT NUMBER	3 DA CATE	ISSUED 04 EXPIRATION D	ATE 05 COMMENTS	
□ S. UNC □ C. ARR □ E. ACRAINTERINISTATUS □ E. ACRAINTERINISTATUS □ SPECEPLAN □ C. STATE Same	See No. See ARR See RCRAINTERINSTATUS See SPECE PLAN SEE	l			i		
C.C. AUR C.D. ACRA C.E. ACRAINTERINISTATUS C.E. ACRAINTERINISTATUS C.E. ACRAINTERINISTATUS C.E. ACRAINTERINISTATUS C.E. ACRAINTERINISTATUS C.E. STATE TRANSPORT C.O. H. LOCAL Control R.O. OPERATOR C.O. H. LOCAL Control R.O. OPERATOR C.O. OPERATOR C.	C. A. ACCOUNTS SECURE UNITS WERE INSTALLED TO SILVER RECOVERY UNITS WERE INSTALLED IN THE PROPERTY OF SOLVENT RECOVERY						
Service to the service of the building service of the service of the building service of the building service of the service of the building service of the building service of the service of the service of the building service of the service of the service of the building service of the service of t	CD. ACRA E. RCRAINTERIMISTATUS C. F. SPECEVAN C. STATE (MARCHELL STATUS) C. C. STATE (MARCHELL STATUS) C. STATE (MARCHELL STATUS) C. STATE (MARCHELL STATUS) C. A. MORE C. A. MORE C. A. MORE C. A. MORE C. A. MORE STATE (MARCHELL STATUS) C. C. STANUS, ABOVE GROUND C. C. FRUMS, BEDWARDOUND C. C. MADEQUAY, SECURE C. B. MODERATE C. MADEQUAY, SECURE C. B. MODERATE C. MADEQUAY, SECURE C. MADEQUAY, SECURY C. MADEQUAY, SECURE C. MADEQUAY, SECURE C. MADEQUAY, SECU						
☐ E. ACRAINTERIM STATUS ☐ S. SPECE PLAN ☐ G. STATE:	The specified states and tightness in lungs. Oder was detected outside building as well. A SCESSBELLTY PLANCES OF INFORMATION CONSIDERATE OF MADE OF STREET OF SOLVEN SOLVED SO						
STATE SECONDAN G. STATE SECOND G. CA SURFACE IMPOUNDMENT G. PRUES G. PRUES G. PRUES G. PRUES G. PRUES G. PRUES G. PRUES ABOVE GROUND G. PRUES ABOVE GROUND G. PRUES ABOVE GROUND G. PRUES ABOVE GROUND G. PRUES G. P	G. STATE (ASSESSED FOR MARTION CON ASSESSED IN SOURCE SOFT NO CONTRIBUTED IN CONT	C.D. ACRA	<u> </u>				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
G. STATE (Jacoba) G. STATE (Jacoba) G. STATE (Jacoba) G. OPPER (Jacoba) G. J. NONE G. SURFACE IMPOUNDMENT G. A SURFACE IMPOUNDMENT G. A SURFACE IMPOUNDMENT G. A SURFACE IMPOUNDMENT G. C. FLANK, SBOVE GROUND G. TANK, SBOVE GROUND G. FLANK, SBOVE GROUND G. SURGERGROUND INJECTION G. OTHER RECOVERY MEETING G. A NCEMBERS MEETING G. A NCEMBERS MEETING G. A NCEMBERS MEETING G. A NCEMBERS M	☐ G. STATE:	☐ E. RCRAINTERIM STATUS					
CH LOCAL TRANSPORT (WRND) APPL # 304 10/85 Unknown Wellfield Protection SJ. NONE SJ. NONE M. STEDESCRIPTION DISTRACEDOSPOSAL COLOR OF MARKET ST. CA SURFACE MPOUNDMENT CO. PULS, ABOVE GROUND CO. CHUNS, ABOVE GROUND CO. SOLOGICAL CO.	CH LOCAL SECTION (WRND) APPL, # 304 10/85 Unknown Wellfield Protection 3.1 NONE M. STED DESCRIPTION OI STANDARDOROCCAL COMMENT IS PLES C A SURFACE MPOUNDMENT C A SURFACE MPOUNDMENT C D. TAMK, ABOVE GROUND C TAMK, SELOW GROUND C TAME SELOW G						
RI OTHER SECRET (WRMD) APPL# 304 10/85 Unknown Wellfield Protection 3.1 MONE Ordinance. IN SITE DESCRIPTION OR STRANGE MPOUNDMENT OR MAKE THE STRANGE OF THE ATMENT (COME AT THE STRANGE OF THE	RI OMES WIND 3.1 MONE III. SITE DESCRIPTION OT GIANCE SCREEN ON DOTAIN OF THE SURE C. A SURFACE IMPOUNDMENT C. B. PLES C. C. FUNDA, ABOVE GROUND C. TANK,						
ILL SITE DESCRIPTION STRANGE DISTRICT DESCRIPTION	IL STEE DESCRIPTION IL STEED DESCRIPTION IL STREADED DESCRIPTION IL STREADED DESCRIPTION IL STREADED DESCRIPTION IL STREADED DESCRIPTION IL STREADE MPOUNDMENT IL BRUES IL CHUMS, ABOVE GROUND IL CHUMS, ABOVE GROUND IL STANK, BELOW GROUND	☐ H. LOCAL/Sought					
III. SITE DESCRIPTION 01 STORAGEOSPOCAL CONTINUES OF A BADDUT OF MEASURE OF TREATMENT (COME AT THE ADMIT) OF OTHER PROPERTY OF A BUILDINGS CN C. CHUMGA BOVE GROUND 15 55 81 C. CHUMGA BOVE GROUND 15 SOLVENT RECOVERY 0. SO	III. SITE DESCRIPTION 01 STEAMAGEDISPOSAL INFORMATION 02 SUPFACE IMPOUNDMENT	RI OTHER (WRMD)	APPL.# 304	10/85	Unknown	Wellfiel	d Protection
OS SUPERACE IMPOUNDMENT S. PILES C. A. SURFACE IMPOUNDMENT S. PILES C. CAUMS, ABOVE GROUND S. CAUMS, ABOVE GROUND S. TANK, BELOW GROUND S. TOTHER S. TOTHER S.	OF SUMPACE IMPOUNDMENT S. PILES C. A SURFACE IMPOUNDMENT S. PILES C. CRUMS, ABOVE GROUND S. TANK, ABOVE GROUND S. TANK, ABOVE GROUND C. TANK, BELOW GROUND COMMENT C. TANK, BELOW GROUND C. TANK, BELOW GROUND C. TANK, BO	31. NONE				Ordin	ance.
C A SURFACE IMPOUNDMENT B. PLES C. CPHUMS, ABOVE GROUND C. CHEMICAL/PHYSICAL C. MASTE CAL PROCESSING C. CHEMICAL/PHYSICAL C. CHEMICAL/P	CA SURFACE MPOUNDMENT CB PALES CC CRUMS, ABOVE GROUND CC CRUMS, ABOVE GROUND CC THANK, BELOW GROUND CF LANGFILL CG LANGFAPM CH LANGFILL CG LANGFAPM CH LOPEN DUMP CL OTHER RECYCLINGRECOVERY CH LOTHER RECYCLINGRES CH LOTHER RECYCLINGRES	IIL SITE DESCRIPTION					
S.A. BUILTINGS ON C. CHOMAS, ABOVE GROUND D. TAMK, BOVE GROUND	S.A. BUILDWAS ON C.C. CRUMS, ABOVE GROUND D. TANK, ABOVE GROUND S.E. TANK, SELOW GROUND S.E.	01 STORAGE/DISPOSAL (Chica at this apply) 0	2 AMOUNT 03 UP	WT OF MEASURE	04 TPEATMENT (Check at a	THE ADDITY!	05 OTHEA
SA BULLMAS ON C. CRUMS, ABOVE GROUND D. TAMK, BELOW GROUND D. FANK, BELOW GROUND D. FANK, BELOW GROUND D. LANDFILL G. LANDFARM D. LOPEN DUMP D. LOPEN DUMP D. TOTHER TWO silver recovery units were installed in 1984 (polychrom unit SM-75) to treat the effluent before it is discharged into a drainfield on the north side of the building. V. CONTAINMENT TO A ADEQUATE SECURE D. B. MODERATE D. INADEQUATE POOR TO INSECURE, UNSQUIND, DANGEROUS Apparently awaiting pickup. A strong solvent odor was detected in the facility. Inspectors experienced dizziness and tightness in lungs. Odor was detected outside building as well. ACCESSIBILITY OF WASTERSALY ACCESSIBLE D. PUMB ARE OF MASTERS ON A PROPERTY OF WASTERS ON A PROPERTY OF WAST	SA BULLS SOLO SOLO SOLO SOLO SOLO SOLO SOLO	C A. SURFACE IMPOUNDMENT	······································		C A. INCENERATION		
D. TANK, ABOVE GROUND D. SICLOGOLA DE MASTE OIL PROCESSING DE MASTE	C. TANK, BELOW GROUND C. F. LANGFUL G. LANGFAPM C. H. OTHER C. LOTHER RECVILING RECOVERY C. LOTHER RECVILING RECOVERY C. OTHER RECOVERY C.					NJECTION	■ A. BUILDINGS CN:
CETAMK, SELOW GROUND G LANDFILL G LANDFARM G LANDFARM G NOTHER RECYCLING RECOVERY G OTHER RECYCLING RECOVERY	SETANK BELOW GROUND G LAWOFIL G LAWOFIL G LAWOFIN G LAWOFAN G LAWOFAN G LOTHER RECOVERY G OTHER		15	55 gal	C C. CHEMICAL/PHYS	CAL	
OF SOLVENT RECOVERY CH. CPEN DUMP CH. CPEN DUMP CH. CPEN DUMP CH. CPEN DUMP CH. CTHER CH. CPEN DUMP CH. CTHER CH. CT	CF LANOFILL G. LANOFAPM G. COTHER RECOVERY COMMENTS Two silver recovery units were installed in 1984 (polychrom unit SM-75) to treat the effluent before it is discharged into a drainfield on the north side of the building. V.CONTAINMENT T. A ADEQUATE SECURE G. B. MODERATE G. INADEQUATE POOR 3.0 INSECURE. UNSOUND. DANGEROU 2055CPB TON OF DRUMS, DRU				•		1
GLANDFAPM CH. OPEN DUMP COMMENTS TWO silver recovery units were installed in 1984 (polychrom unit SM-75) to treat the effluent before it is discharged into a drainfield on the north side of the building. V.CONTAINMENT CA ADEQUATE SECURE B. MODERATE C. INADEQUATE POOR JO. INSECURE, UNSOUND, DANGEROUS RESCORTION OF DRUMS, DANGE UNERS, BARRIERS, ETC. Drums were located on a fenced, asphalt pad. The fence was unlocked at time of inspection. Approx. 6 rusty drums were stacked by the road (north end). Apparently awaiting pickup. A strong solvent odor was detected in the facility. Inspectors experienced dizziness and tightness in lungs. Odor was detected outside building as well. V.ACCESSIBILITY OI WASTERSAY ACCESSIBLE TO YES CINO Drums are located in and around an open fenced area on the north side of the building. SCURGES OF INFORMATION COLUMN ASSESSMENT ACCESSIBLE TO THE POOR	GLANDFAPM SH. OPEN DUMP COMMENTS TWO silver recovery units were installed in 1984 (polychrom unit SM-75) to treat the effluent before it is discharged into a drainfield on the north side of the building. V.CONTAINMENT TA ADEQUATE SECURE BLANDERATE CA ADEQUATE SECURE Drums were located on a fenced, asphalt pad. The fence was unlocked at time of inspection. Approx. 6 rusty drums were stacked by the road (north end). Apparently awaiting pickup. A strong solvent odor was detected in the facility. Inspectors experienced dizziness and tightness in lungs. Odor was detected outside building as well. ACCESSIBILITY OF WASTERSON ACCESSIBLE: STYES STNO 22 COMMENTS Drums are located in and around an open fenced area on the north side of the building SCURCES OF INFORMATION COMMENTS. INSPECTION, 10/1/85						DE AREA OF SITE
TWO Silver recovery units were installed in 1984 (polychrom unit SM-75) to treat the effluent before it is discharged into a drainfield on the north side of the building. W.CONTAINMENT TO A ADEQUATE SECURE B. MODERATE C. INADEQUATE POOR 3.0. INSECURE, UNSOUND, DANGEROUS IDEAS BARRERS. ETC. Drums were located on a fenced, asphalt pad. The fence was unlocked at time of inspection. Approx. 6 rusty drums were stacked by the road (north end). Apparently awaiting pickup. A strong solvent odor was detected in the facility. Inspectors experienced dizziness and tightness in lungs. Odor was detected outside building as well. W.ACCESSIBILITY OI WASTERSKY ACCESSIBLE TO YES C NO. Drums are located in and around an open fenced area on the north side of the building. SCURGES OF INFORMATION COLUMNIA DECEMBERS 100-100-100-100-100-100-100-100-100-100	THE CPEN DUMP THE COTHER THO SILVER TECOVERY UNITS WERE INStalled in 1984 (polychrom unit SM-75) to treat the effluent before it is discharged into a drainfield on the north side of the building. V. CONTAINMENT THE CONTAINMENT THE A ADEQUATE SECURE THE MODERATE THE CONTAINMENT THE A ADEQUATE SECURE THE MODERATE THE CONTAINMENT THE CONTAINMENT THE CONTAINMENT THE A ADEQUATE SECURE THE MODERATE THE STATE OF THE SECURE UNSOUND CANGEROUS TO THE SECURE UNSOUND CANGEROUS TO THE SECURE UNSOUND CANGEROUS THE SECURE WAS UNION CONTAINED. THE SECURE WAS UNION CANGEROUS THE SECURE WAS UNION CONTAINED. THE SECURE WAS UNION CANGEROUS THE SECURE WAS UNION						0.5
Two silver recovery units were installed in 1984 (polychrom unit SM-75) to treat the effluent before it is discharged into a drainfield on the north side of the building. W.CONTAINMENT TA ADEQUATE SECURE Drums were located on a fenced, asphalt pad. The fence was unlocked at time of inspection. Approx. 6 rusty drums were stacked by the road (north end). Apparently awaiting pickup. A strong solvent odor was detected in the facility. Inspectors experienced dizziness and tightness in lungs. Odor was detected outside building as well. ACCESSIBILITY Of WASTERSALY ACCESSIBLET TO YES DINO 22COMMENTS Drums are located in and around an open fenced area on the north side of the building as well. SCURCES OF INFORMATION 28 INDEX ACCESSIBLE TO THE	Two silver recovery units were installed in 1984 (polychrom unit SM-75) to treat the effluent before it is discharged into a drainfield on the north side of the building. V.CCNTAINMENT I CONTAINMENT I A ADEQUATE SECURE B. MODERATE C. NADEQUATE POOR JO INSECURE UNSOUND DANGEROU ZESCHATON OF DRUMS, ONLY QUEEN, BARRENS, ETC. Drums were located on a fenced, asphalt pad. The fence was unlocked at time of inspection. Approx. 6 rusty drums were stacked by the road (north end). Apparently awaiting pickup. A strong solvent odor was detected in the facility. Inspectors experienced dizziness and tightness in lungs. Odor was detected outside building as well. ACCCESSIBILITY OI WASTEEASLY ACCESSIBLE TY YES DINO 21 COMMENTS Drums are located in and around an open fenced area on the north side of the building SCURGES OF INFORMATION TO BE A COUNTY OF THE POOR OF					WHECOVERY	
Two silver recovery units were installed in 1984 (polychrom unit SM-75) to treat the effluent before it is discharged into a drainfield on the north side of the building. W.CONTAINMENT I CONTAINMENT I CONTAINMENT I CONTAINMENT I A ADEQUATE. SECURE I B. MODERATE I C. INADEQUATE POOR 3.0. INSECURE, UNSQUIND, DANGEROUS DESCRIPTION OF DRUMS, DRING LINERS, BARRENS, ETC. Drums were located on a fenced, asphalt pad. The fence was unlocked at time of inspection. Approx. 6 rusty drums were stacked by the road (north end). Apparently awaiting pickup. A strong solvent odor was detected in the facility. Inspectors experienced dizziness and tightness in lungs. Odor was detected outside building as well. M.ACCESSIBILITY OI WASTERANT ACCESSULE: 3 YES INO 21COMMENTS Drums are located in and around an open fenced area on the north side of the building as a contraction of the contraction of the building and a country.	Two silver recovery units were installed in 1984 (polychrom unit SM-75) to treat the effluent before it is discharged into a drainfield on the north side of the building. V.CONTAINMENT I CONTAINMENT I A ADEQUATE SECURE B. MODERATE C. INADEQUATE POOR 3.0 INSECURE, UNSOUND DANGEROU DESCRIPTION OF DRUMS, DRUMQ LIMERS, BARRERS, ETC. Drums were located on a fenced, asphalt pad. The fence was unlocked at time of inspection. Approx. 6 rusty drums were stacked by the road (north end). Apparently awaiting pickup. A strong solvent odor was detected in the facility. Inspectors experienced dizziness and tightness in lungs. Odor was detected outside building as well. ACCESSIBILITY OI WASTERSON TERSON TERSON TO THE POOR Drums are located in and around an open fenced area on the north side of the building SCURGES OF INFORMATION CONSIDERATION CONSIDERATION TO THE POOR TO THE	C I. OTHER			1.01.01	Specify	
CALADEQUATE SECURE B. MODERATE C. INADEQUATE POOR 30 INSECURE, UNSOUND, DANGEROUS DESCRIPTION OF DRUMS, DRUMQ LINERS, BARRERS, ETC. Drums were located on a fenced, asphalt pad. The fence was unlocked at time of inspection. Approx. 6 rusty drums were stacked by the road (north end). Apparently awaiting pickup. A strong solvent odor was detected in the facility. Inspectors experienced dizziness and tightness in lungs. Odor was detected outside building as well. W. ACCESSIBILITY OI WASTEEASLY ACCESSIBLE: TYES TO NO 21 COMMENTS Drums are located in and around an open fenced area on the north side of the building in SCURCES OF INFORMATION COMMENTS	CA ADEQUATE SECURE DB. MODERATE DC. INADEQUATE POOR 30. INSECURE, UNSQUIND, DANGEROU Drums were located on a fenced, asphalt pad. The fence was unlocked at time of inspection. Approx. 6 rusty drums were stacked by the road (north end). Apparently awaiting pickup. A strong solvent odor was detected in the facility. Inspectors experienced dizziness and tightness in lungs. Odor was detected outside building as well. W. ACCESSIBILITY OI WASTERASLY ACCESSIBLE: TYES DNO 22 COMMENTS Drums are located in and around an open fenced area on the north side of the building in SCURCES OF INFORMATION (22 DOCTOR 1997) (1997) (1997) E.C. Jordan Co. site inspection, 10/1/85		- -		•		
CALADEQUATE SECURE DB. MODERATE CO. INADEQUATE POOR 30. INSECURE, UNSOUND, DANGEROUS DESCRIPTION OF ORUMS, DRUNG, LINERS, BARRERS, ETC. Drums were located on a fenced, asphalt pad. The fence was unlocked at time of inspection. Approx. 6 rusty drums were stacked by the road (north end). Apparently awaiting pickup. A strong solvent odor was detected in the facility. Inspectors experienced dizziness and tightness in lungs. Odor was detected outside building as well. MACCESSIBILITY OI WASTELASLY ACCESSIBLE: 3 YES D NO 22 COMMENTS Drums are located in and around an open fenced area on the north side of the building as SCURCES OF INFORMATION COMMENTS.	CA ADEQUATE SECURE DB. MODERATE DC. INADEQUATE POOR 30. INSECURE, UNSQUIND, DANGEROU DESCRIPTION OF DRUMS, DRUNG, UNERS, BARRIERS, ETC. Drums were located on a fenced, asphalt pad. The fence was unlocked at time of inspection. Approx. 6 rusty drums were stacked by the road (north end). Apparently awaiting pickup. A strong solvent odor was detected in the facility. Inspectors experienced dizziness and tightness in lungs. Odor was detected outside building as well. ACCESSIBILITY OI WASTERASLY ACCESSIBLE: TYES DNO DICCOMMENTS Drums are located in and around an open fenced area on the north side of the building as CURCES OF INFORMATION COLDERS OF UNION AND ADDRESS OF UNION ADDRESS	V CONTAINMENT					
Drums were located on a fenced, asphalt pad. The fence was unlocked at time of inspection. Approx. 6 rusty drums were stacked by the road (north end). Apparently awaiting pickup. A strong solvent odor was detected in the facility. Inspectors experienced dizziness and tightness in lungs. Odor was detected outside building as well. **ACCESSIBILITY** OF WASTEEASLY ACCESSIBLE: TO YES COND 22 COMMENTS Drums are located in and around an open fenced area on the north side of the building as SOURCES OF INFORMATION TO DESCRIPTIONS AND DESCRIPTIONS.	Drums were located on a fenced, asphalt pad. The fence was unlocked at time of inspection. Approx. 6 rusty drums were stacked by the road (north end). Apparently awaiting pickup. A strong solvent odor was detected in the facility. Inspectors experienced dizziness and tightness in lungs. Odor was detected outside building as well. ACCESSIBILITY ON WASTE EASALY ACCESSIBLE: TO YES TO NO 22 COLUMENTS Drums are located in and around an open fenced area on the north side of the building as SOURCES OF INFORMATION COLUMENTS (SINGLE SINGLE S			77 - 77 - 1 W		<u></u>	-
Drums were located on a fenced, asphalt pad. The fence was unlocked at time of inspection. Approx. 6 rusty drums were stacked by the road (north end). Apparently awaiting pickup. A strong solvent odor was detected in the facility. Inspectors experienced dizziness and tightness in lungs. Odor was detected outside building as well. ACCESSIBILITY OF WASTERSLY ACCESSIBLE TO YES INO DICOMMENTS Drums are located in and around an open fenced area on the north side of the building as SCURCES OF INFORMATION (20 1000000 at 100000000000000000000000000	Drums were located on a fenced, asphalt pad. The fence was unlocked at time of inspection. Approx. 6 rusty drums were stacked by the road (north end). Apparently awaiting pickup. A strong solvent odor was detected in the facility. Inspectors experienced dizziness and tightness in lungs. Odor was detected outside building as well. ACCESSIBILITY OF WASTEEASLY ACCESSIBLE: TO YES TO NO 22 COMMENTS Drums are located in and around an open fenced area on the north side of the building as SCURCES OF INFORMATION (20 DECEMBER 1997). December 1997 E.C. Jordan Co. site inspection, 10/1/85	T A. ADEQUATE, SECURE	☐ B. MODERATE	C C. INA	DEQUATE, POOR	3 D. INSECUR	E, UNSOUND, DANGEROUS
Drums were located on a fenced, asphalt pad. The fence was unlocked at time of inspection. Approx. 6 rusty drums were stacked by the road (north end). Apparently awaiting pickup. A strong solvent odor was detected in the facility. Inspectors experienced dizziness and tightness in lungs. Odor was detected outside building as well. **ACCESSIBILITY** OI WASTERSLY ACCESSIBLE TO YES DINO OI COMMENTS Drums are located in and around an open fenced area on the north side of the building in SCURCES OF INFORMATION (SER DECOMMENTS).	Drums were located on a fenced, asphalt pad. The fence was unlocked at time of inspection. Approx. 6 rusty drums were stacked by the road (north end). Apparently awaiting pickup. A strong solvent odor was detected in the facility. Inspectors experienced dizziness and tightness in lungs. Odor was detected outside building as well. W.ACCESSIBILITY OF WASTEEASLY ACCESSIBLE: TO YES TO NO 22 COMMENTS Drums are located in and around an open fenced area on the north side of the building in SCURCES OF INFORMATION (20 1000) 100 (1000) 100	A DESCRIPTION OF DE MAIL OWNER, AMERICA	~~~				···
OI WASTEEASLY ACCESSIBLE: TO YES TO NO 22 COMMENTS Drums are located in and around an open fenced area on the north side of the building I. SCURCES OF INFORMATION THE DECOMPTERS OF THE PROPERTY AND ADDRESS OF THE PROPERTY	OI WASTEEASLY ACCESSIBLE: TO YES INO 22 COMMENTS Drums are located in and around an open fenced area on the north side of the buildin I. SCURGES OF INFORMATION TO DOWN THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPE	Drums were located on a spection. Approx. 6 ru awaiting pickup. A strexperienced dizziness a	fenced, aspl sty drums we ong solvent	ere stacke odor was	d by the road detected in th	north end) ne facility	ApparentlyInspectors
Drums are located in and around an open fenced area on the north side of the building I. SCURCES OF INFORMATION (220 1200/07) are the contract of the contract (200/07).	Drums are located in and around an open fenced area on the north side of the buildin I. SCURCES OF INFORMATION (2) Decre (1) Decre (2) Decre (3) D	V. ACCESSIBILITY					
Drums are located in and around an open fenced area on the north side of the building	Drums are located in and around an open fenced area on the north side of the building SCURCES OF INFORMATION (SERVICES OF INSPECTION, 10/1/85		S NO				
	E.C. Jordan Co. site inspection, 10/1/85		d around an o	open fence	ed area on the	north side	of the building
	E.C. Jordan Co. site inspection, 10/1/85	I. SOURCES OF INFORMATION SE DECT	reservores a c state rees, sa	smore energial, /Bulontal			
							
Dec accading forcing 1190;							

WEPA	3	EPA
------	---	------------

POTENTIAL HAZARDOUS WASTE SITE

L DENTIFICATION

SEPA		SITE INSPECTION REPORT PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA OT STATE OZ STE NUMBER FL DO 7 3869414					4 •		
IL DRINKING WATE	R SUPPLY								
01 TYPE OF DENIGHG SI.	#PLY		02 STATUS				830	STANCE TO SITE	
	SURFACE	WELL	ENDANGER	ED AFF	ECTED	MONITORED	1		
COMMUNITY	A. 🗆	8. 23	A. 🗆		B. (3)	C. C	1	_0 _4 (mo	
NON-COMMUNITY	c. 🗆	0. 🗆	0. 🗆	!	E. O	F. 🗆	B	(ma)	
IIL GROUNDWATER		<u></u>							
01 GROUNOWATER USE	N VICINITY (Olean)			·····					
02 POPULATION SERVED		(Me schar wasar scurce	XISTRIAL IRRIGATIO	N	Carrier or or or	L. POUSTRIAL, RANGA		. 4 (m)	
		,	····			7			
04 DEPTH TO GROUNDWA	TEM	05 DATECTION OF GROU	MOWATER FLOW	THITESO BO	TO AQUIFER CETHN	OF ACUSERS	ها. شا	SOLE SOUPICE AQUI	
3.0	m	varies	*	3.0	<u>)</u> (m	100 milli	ුලුනා	E YES C N	o
00 DESCRIPTION OF WELL	3 (receirg usungs)	topeth, and fucation residing to pa	gundon and pundings)						
The facili	ty is loc	ated approxi	mately 200	0 feet	east o	of a municip	oal dri	nking water	
well.	•		•			_			
O RECHARGE AREA				11 DISCHAR	GE AREA				
M YES COMMENTS	Infiltr	ation at Bos	ton	TYES	COMMEN	TS			
j j		roos the Rice	i i	Ø NO	i				

2,40	Princing	adulfer.	the bisca	yne	3.40	
IV. SURFA	CE WATER					

M A. RESERVOIR, RECREATION DRINKING WATER SOURCE 02 AFFECTED/POTENTIALLY AFFECTED BOOKS OF WATER

B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES

C. COMMERCIAL INDUSTRIAL

D. NOT CURRENTLY USED

O1 SURFACE WATER USE (Creat and

NAME:	AFFECTED	DISTANCE TO SITE
Cypress Creek Canal		(ms)
		(ms)
		(m)

V. DEMOGRAPHIC AND PROPERTY INFORMATION 02 DISTANCE TO NEAREST POPULATION 01 TOTAL POPULATION WITHIN

THREE (3) MILES OF SITE TWO (2) MILES OF SITE ONE (1) MILE OF SITE 0,2____m B. 10,000+ c. 10.000+ A. 10,000+ NO. OF PERSONS 40. 3F PERSONS DA DISTANCE TO HEAREST OFF-SITE BUILDING 03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE

3001-10000

The Boston Painting Co. is located 0.6 miles east of the Ft. Lauderdale Executive Airport. Densly populated residential areas are located within .2 miles to east of the site.

EPAFCAM 2010-13 (7-01) * Prior to 1979, groundwater beneath the site flowed west, toward the municipal wells. Since 1979, groundwater beneath the site is estimated to flow toward the southeast (Geraghty and Miller, 1985).

I. IDENTIFICATION POTENTIAL HAZARDOUS WASTE SITE OI STATE OZ SITE NUMBER SITE INSPECTION REPORT D073869414 PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA VI. ENVIRONMENTAL INFORMATION 01 PERMEABILITY OF UNSATURATED ZONE (Check and) ☐ A. 10⁻⁴ = 10⁻³ cm/sec ☐ B. 10⁻⁴ = 10⁻³ cm/sec ☐ C. 10⁻⁴ = 10⁻³ cm/sec ※ D. GREATER THAN 10⁻³ cm/sec ★ 02 PERMEABILITY OF BEDROCK (Cheek and C B. RELATIVELY IMPERMEABLE C. RELATIVELY PERMEABLE C D. VERY PERMEABLE (10-4 - 10-4 owners) (Course van 10-2 owners) A IMPERMEABLE 04 DEPTH OF CONTAMINATED SOIL ZONE OJ DEFTH TO BEDACCX 05 SOR pH unknown unknown im _unknown 110 CO NET PRECIPITATION 07 ONE YEAR 24 HOUR RAINFALL DIRECTION OF SITE SLOPE, TERRAIN AVERAGE SLOPE SITE SLOPE 0 - 1flat 0 - 18.0 4.5 (in) 38 FLOOD POTENTIAL DI SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY STEIS IN 100 YEAR FLOCOPLAIN I I DISTANCE TO WETLANDS IS MAY PROPERTY 12 DISTANCE TO CRITICAL HABITAT IN COMPRESS SOCIES - ESTUARINE OTHER unknown (m) Manatee, Eastern Brown Pe 2.5 ENDANGERED SPECIES: -Sandhill Crane (mi) 13 LAND USE IN VICINITY DISTANCE TO:

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

COMMERCIALINOUSTRIAL

0.1___(m0

The site and the surrounding area is flat. Local Variations in topography are less than three feet.

0.2

RESIDENTIAL AREAS: NATIONAL'STATE PARKS.

FORESTS, OR WILDLIFE RESERVES

E.C. Jordan Co. site inspection, 10/1/85 See attached reference list.

has been modeled as Profit of

ivity at the poutive/Prospect wellfield ighty and Mil's 1995,

AGRICULTURAL LANDS

AG LAND

PRIME AG LAND

L IDENTIFICATION POTENTIAL HAZARDOUS WASTE SITE SEPA OI STATE CO STE NUMBER SITE INSPECTION REPORT D073869414 PART 8 - SAMPLE AND FIELD INFORMATION IL SAMPLES TAKEN OS ESTRUTED CATE 01 NUMBER OF SAMPLES TAKEN 02 SAMPLES SENT TO SAMPLE TYPE **GROUNDWATER** 4 E.C. Jordan Laboratory, Portland, Maine 1/86 SURFACE WATER WASTE AIR RUNOFF SPILL SOL VEGETATION OTHER -E.C. Jordan Laboratory, Portland, Maine 1/86 (2) blanks IIL FIELD MEASUREMENTS TAKEN 01 TYPE 02 COMMENTS GW-2GW-3GW-4 GW-1 NA^* 6.5 6.0 pН 6.0 NA^* 906 1100 321 Conductivity (umhos) NA*22.0 26.8 Temperature (°C) IV. PHOTOGRAPHS AND MAPS FDER Tallahassee. 02 IN CUSTODY OF _ OI TYPE IS GROUND IS AFRIAL 04 LOCATION OF MAPS GO MAPS E3Y ES FDER - Tallahassee © № V. OTHER FIELD DATA COLLECTED Proces areas acces None Collected VI. SOURCES OF INFORMATION (CZO EDWICHE PROPERCES, 8.Q., EPER PAGE, SEPTION ANDVISE PRODUTE) E.C. Jordan Co. site inspection, 10/1/85 See attached reference list.

. The same of the attached and the same

NA= Not Analyzed

SEPA		SITE INS	AZARDOUS WASTE SITE PECTION REPORT WNER INFORMATION		FICATION 02 SITE NUMBER D07 386941
IL CURRENT OWNER(S)			PARENT COMPANY IF ADDRESSED		•
01 NAME		02 D-6 NUMBER	OR YAME		09 0+8 NUMBER
Boston Printing Co.,	Inc.	ICA SIC CODE	M & G Stern Corp.	•	11 500 000
741 NW 57th PL		- Secure	Same	E)	// SE 320
DS CITY	PO STATI	E 107 200 COOK	112 gry	TATECI	E 14 ZIP CCDE
Ft. Lauderdale	FLA	33309			
DI NAME		02 D+8 NUMBER	OS NAME		09 0+8 NUMBER
STREET ACCRESS IP O. Max. APO P one.		104 SIC CCD€	10 STREET ACORESS IP 0. BOX. APD 0. BOX.		111 SXC 3206
				•	
san	C6 STATE	1 107 27 COOE	12 017	13 STATE	14 3P CODE
		1		ļ	
II NAM€	- 	02 0+8 NUMBER	08 NAME		00 0+0 NUMBER
3 STREET ADDRESS (P.O. Book MED P. ME.)		04 S/C CCD€	10 STREET ADDRESS (# Q. dan. RFO #, org.)		I I SIC CODE
CTY	OS STATE	07 ZP CCOE	12 GTY	ISTATE	14 ZP CO08
I NAME	[02 D+6 NUMBER	I US NAME		090+8 NUMBER
•			33.22		
3 STREET ADDRESS (P.O. data, AFO P. and.)	<u></u>	04 SXC COO€	10 STREET ADDRESS (P C. Sec. APO P Sec.)		IT SXC CODE
scry	100 STATE	07 39 C≎0€	112017	12 STATE	14 ZP CODE
			•		
L PREYIOUS OWNERISTILE AND ALE			IV. REALTY OWNER(S)		
Hollingsworth Sol	.derless	02 D+8 NUMBER	OI NAME		R38MUM 6+0 20
Terminal Co.		04 S/C CODE	N/A		104 SIC CODE
700 N. 57th PL					1
GTY	OS STATE O	ာ ဘာ ငတနေ	105 CTY	OB STATE	07 2P COOE
Ft. Lauderdaļe	FL		İ		
NAME	0	REBMUM 6+01) I YAME		F38MUM E + 0 \$L
STREET ACCRESSING DE APON ME!		04 SIC CODE	03 STREET ACCRESS IP.O. Box. AFO P. INC.		04 SC CC0E
an	OB STATE O	7 D' COOE	osarr	OG STATE O	TP COCE
€ SMAY	اُ	RABMUM 6+C S	101 NAME		Rabmun 6+0 10
STREET ACCRESSIFO SAL 4FO F ME.	<u> </u>	34 SIC CCO€	OJ STREET ACORESS (P.O. MAL AFO P. ME.)	ii	04 SIC CODE
<u> </u>	OBSTATE;) Descoe	- 25 CTY	CS STATELO	TOP GODE
	003.712				
SCURCES OF HEDRMATION 1100		.:are ree .amore avenue.	POSPT1/		
.C. Jordan Co. site ir	spection	, 10/1/85			
ee attached reference	•				

SEPA		SITE INSP	ZARDOUS WASTE SITE ECTION REPORT LATOR INFORMATION	PL DENTIFICATION O1 STATE O2 SITE NUMBER FL D073869414		
IL CURRENT OPERATOR	rard from sweet		OPERATOR'S PARENT COMPANY	E enteres		
O1 NAME		02 0+8 NUMBER	10 NAME	111 2+6 MUNGEA		
Boston Printing Co.			M & G Stern Corp.			
03 STREET ACCRESS (P.O. dos. RFO P. em.)		04 SIC €\$0€	12 STREET ADDRESS IP O. Box. APD P. MILL	1 13 SIC COOE		
741 NW 57th Place			Same			
ಂತ ೧೯೯	OS STAT	E 07 ZP CODE	114 CTY	115 STATE 118 DP COCE		
Ft. Lauderdale	FL	33309				
DE YEARS OF OPERATION OR NAME OF OW	NEB .					
	-			•		
	ge Stern	· · · · · · · · · · · · · · · · · · ·				
IIL PREVIOUS OPERATOR(S)	COS THE PRINCE O		PREVIOUS CPERATORS' PARENT C	OMPANIES - PAROSES		
OINAME Hollingsworth		02 0+8 NUMBER	10 NAME	F38MUM 6+€ 1.1		
Solderless Terminal Co).		N/A			
DE STREET ADDRESS IP C. MA. APO P. MA.		04 SIC CCC€	12 STREST ACORESS IF O. BOD. AFD F. MEJ	113 अट टटिवर्ड		
741 NW 57th Place		•		•		
35 CTY	CO STATE	107 ZP CCOE	114 CTY	115 STATEL 18 ZP CODE		
Ft. Lauderdale	FL	33309				
SE YEARS OF OPERATION 109 HAME OF OWN	LEA CURING THE	S PERICO				
unknown unknown		•				
IT NAME		02 0+8 NUMBER	10 NAME	R38MUM E+0 11		
STREET ACCRESSION & AME APO P. MALI	- 	04 SIC CODE	12 STREET ADORESS (P.O. dos. MO.P. ess.)	13 30 5008		
IS CITY	OS STATE	07 ZIP COD€	14 GTY	13 STATE 13 ZP CCE		
4 YEARS OF OPERATION 08 NAME OF OWN	ER OURRIG THE	S PERIOD				
1 name		02 D+8 NUMBER	10 NAME	RESIMUM 6+C 11		
STREET ADDRESSIP & dat APO P. mail		04 SXC CCC€	12 STPEET ADDRESS IP O. Dal. APO P. and.	13 so coce		
S CATY	CO STATE	07 TP CODE	IACTY	13 STATE 13 EP COCE		
YEARS OF OPERATION 00 NAME OF OWNE	ER OWRANG THIS	PERIOD				

E.C. Jordan Co. site inspection, 10/1/85 See attached reference list.

IV. SOURCES OF INFORMATION (CI) MARINE PROPERTY AND THE SERVICE AND THE PARTY AND THE

SEPA	PAR [*]	SITE INSI	ZARDOUS WASTE SITE PECTION REPORT TRANSPORTER INFORMATION	OT STATE	TIFICATION 102 STE NUMBER 10073869414		
IL ON-SITE GENERATOR					•		
01 NAME		02 0+8 NUMBER					
Boston Printing Co.	····						
741 NW 57th Place		04 SIC CODE					
05 CTY		E 07 DP CODE					
Ft. Lauderdale	FL	33309					
IIL OFF-SITE GENERATORIS							
01 NAME		02 C+8 NUMBER	OI NAME		C2 0+8 NUMBER		
None		1	<u> </u>		<u> </u>		
03 STREET ADDRESS IP.O. COL APO P. COL		04 SIC COCE	03 STREET ACCRESS (P.O. Am. AFO F. am.)		C4 SIC CODE		
					}		
os cm	OB STATE	E 07 2P CODE	05 CTY	CO STATE	07 25 0006		
OI NAME	·····	02 0+8 NUMBER	OI NAME		102 0+8 NUMBER		
,				•	•		
OJ STREET ACCRESS IP O. BOL APO P MEL		04 SIC CODE	03 STREET ADORESS (P. O. BOO, APD P. ORL)		04 SIC CODE		
05 CTY	GO STATE	OF DIP CODE	ספ מדץ	OG STATE	07 ZP CODE		
IV. TRANSPORTER(S)							
Chemical		02 0+8 NUMBER	OI NAME		02 D+8 NUMBER		
Conservation Corp.							
653 Rocket Blvd.		04 SIC CODE	03 STREET ACCRESS IP.O. Dec. AFD P. MLJ		04 SIC CCO€		
פוס פוזי	OS STATE	07 ZP CCD€	05 CTTY -	OS STATE	07 DP CODE		
Orlando	FL	32824	1	1 1			
DI NUME		R38MUM 6+0 £0	OI NAME		02 0+6 MUMBER		
STREET ADDRESS IP O. MA. APD P		04 SIC COD€	CJ STREET ACORESS IP Q. BOD. APO P. PR.		04 SIC 200E		
s CTY	OS STATE	07 DP CCC6	05 CTY	OG STATE	ot ap code		
/. SOURCES OF INFORMATION CO.	- 1	g., saltra Pilos, sartona arbanesa.					

E.C. Jordan Co. site inspection, 10/1/85 See attached reference list.

	POTENTI.	AL HAZARDOUS WASTE SIT	E	L IDENTIFICATION			
SEPA	SIT	E INSPECTION REPORT		DO TO COLL			
	PART 10	- PAST RESPONSE ACTIVITIES		FL D073869414			
IL PAST RESPONSE ACTIVITIES							
01 CLA. WATER SUPPLY CLOSED 04 DESCRIPTION		02 DATE	03 AGENCY				
1	None						
01 D B. TEMPORARY WATER SUPP		02 DATE	02.460.00				
04 DESCRIPTION		02 5012	W AGE ACT				
	None						
01 C. C. PERMANENT WATER SUPPL 04 DESCRIPTION	Y PROVIDED	02 DATE	03 AGENCY				
U4 DESCRIPTION							
OL C 3 SPILED WATERWAY PERSONS	None			**************************************			
01 C J. SPILLED MATERIAL REMOVE 04 DESCRIPTION	: 0	02 DATE	03 AGENCY .				
	None						
01 C E CONTAMINATED SOIL REMO		02 DATE	03 AGENCY				
04 DESCRIPTION							
	None						
01 ☐ F WASTE REPACKAGED 04 DESCRIPTION		02 DATE	03 AGENCY _				
ON DESCRIPTION		•					
0. 5.0	None	02 DATE	00.05000				
01 🗆 G. WASTE DISPOSED ELSEWHEI 04 DESCRIPTION	3E	02 DATE	03 AGENCY _				
	N						
01 C H. ON SITE BURIAL	None	02 DATE	03 AGENCY _				
04 DESCRIPTION			_				
	None		·				
01 C I, IN SITU CHEMICAL TREATMENT		02 DATE	03 AGENCY _				
04 DESCRIPTION	None	•					
	None	02 DATE	02.4CEVCY				
01 C J. IN SITU BIOLOGICAL TREATME 04 DESCRIPTION	NI	02 DATE	W AGENCT				
	None						
01 C K. IN SITU PHYSICAL TREATMEN		02 DATE	03 AGENCY _				
04 DESCRIPTION							
	None						
01 C L ENCAPSULATION 04 DESCRIPTION		02 DATE	03 AGENCY				
	None			•			
01 C M. EMERGENCY WASTE TREATM		02 DATE	03 AGENCY _				
04 DESCRIPTION							
	None						
01 T N. CUTOFF WALLS		02 DATE	03 AGENCY				
04 DESCRIPTION	A.T						
	None		22.460.60				
01 C 0. EMERGENCY DIKING/SURFACE 04 DESCRIPTION	WATER DIVERSION	02 DATE	WAGENCT				
	None						
01 I P CUTOFF TRENCHES SUMP		02 DATE	03 AGENCY				
04 DESCRIPTION							
	None						
OT I C. SUBSURFACE CUTOFF WALL		02 CATE	DB AGENCY				
D4 CESCRIPTION			:				

None

0.774	POTENTIAL	HAZARDOUS WASTE SITE			TIFICATION .
≎ EPA		NSPECTION REPORT AST RESPONSE ACTIVITIES		FL	D073869414
II PAST RESPONSE ACTIVITIES					
01 © R. BARRIER WALLS CONSTRUCTED 04 DESCRIPTION		02 DATE	03 AGENCY		
·	None				
01 I S. CAPPING/COVERING 04 DESCRIPTION		02 DATE	OS AGENCY		
	None				
01 🗆 T. BULK TANKAGE REPAIRED 04 DESCRIPTION		02 DATE	03 AGENCY		
	None				
01 (I) U. GROUT CURTAIN CONSTRUCTED 04 DESCRIPTION		02 DATE	03 AGENCY_		
01 C V. BOTTOM SEALED	None	02 DATE	01.465347		
04 DESCRIPTION	None	02 03/2	W AGE CT		
01 Z W. GAS CONTROL	Notie	02 DATE	03 AGENCY		
04 DESCRIPTION	None	V- 5/1/2			
01 C X. FIRE CONTROL	None	02 DATE	03 AGENCY_		
04 DESCRIPTION	None				
01 - Y. LEACHATE TREATMENT	1.0110	02 DATE	03 AGENCY		
04 DESCRIPTION	None				
01 C Z AREA EVACUATED 04 DESCRIPTION		02 DATE	03 AGENCY_		
•	None	•			
01 (1) ACCESS TO SITE RESTRICTED 04 DESCRIPTION		O2 DATE	03 AGENCY_		
	None				
01 © 2. POPULATION RELOCATED 04 DESCRIPTION		02 DATE	COS ASSERVEY		
	None				
01 © 3. OTHER REMEDIAL ACTIVITIES 04 DESCRIPTION	None	02 DATE	03 AGENCY		
L SOURCES OF INFORMATION - Site MORESTE PERSONNE	es, e.g., stere ines, samble	MAI+845, (400/75)			
E.C. Jordan Co. site inspect		85			

SEPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 11 - ENFORCEMENT INFORMATION

LIDENTIFICATION

The state of the s

01 STATE C2 STE MUMBER FL D073869414

IL ENFORCEMENT INFORMATION

OF PAST REGULATORY/ENFORCEMENT ACTION IN YES IN NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

Several Notices of Violation have been issued to Boston Printing stemming from a failed drainfield. In response to these actions, Boston Printing has installed a new drainfield, as well as two silver recovery units to treat their effluent prior to discharge into the drainfield.

TIL SOURCES OF INFORMATION CON MONTH THURSDAY, A S., MANN STREE, MATCHINE MATCHES, TROOPERS

E.C. Jordan Co. site inspection, 10/1/85 See Attached reference list. REFERENCES

REFERENCES

- 1. Florida Department of Environmental Regulation, CERCLA Site Screening Folder, 2600 Blairstone Road, Tallahassee, Florida.
- 2. U.S. Geological Survey, Topographic Map, 1:24,000 Series,
- 3. "Documentation Requirements for CERCLA Site Screening Program," Project for Performance of Remedial Response Activities at Uncontrolled Hazardous Waste Substance Facilities--Zone 1, NUS Corporation, Superfund Division.
- 4. Potential Hazardous Waste Site, Preliminary Assessment, 1985. EPA Form 2070-12, RCRA 3012 Program, prepared for the Florida DER by E.C. Jordan Co.
- 5. Site Investigation, CERCLA Site Screening Program, E.C. Jordan Co., 1985.
- 6. Heath, R.C., and C.S. Conover, <u>Hydrologic Almanac of Florida</u>, 1981. USGS Open-File Report 81-1107, Tallahassee, Florida.
- 7. Florida Department of Natural Resources, <u>Water Resources of Broward County</u>, Report of Investigation No. 51, 2986. 23.
- 8. U.S. Geological Survey, Map of Flood Prone Areas, 1:24,000 Series.
- 9. Terhune, F.W. (Editor), 1983 Florida Statistical Abstract, 1983.
 Bureauof Economic and Business Research, College of Business
 Administration, University of Florida.
- 10. Healy, H.G., Potentiometric Surface and Areas of Artesian Flow of the Floridan Aquifer in Florida, 1974. U.S. Geological Survey.
- 11. Healy, H.G., Estimated Pumpage from Groundwater Sources for Public Supply and Rural Domestic Use in Florida, 1977, 1981. U.S. Geological Survey.
- 12. Leach, S.D., Projected Public Supply and Rural Water Use in Florida Through Year 2020, 1984. U.S. Geological Survey.
- 13. Leach, S.D., Consumptive Use of Freshwater in Florida, 1980, 1982. U.S. Geological Survey.
- 14. Vernon, R.O., <u>Top of the Floridan Artesian Aquifer</u>, 1973. U.S. Geological Survey.
- 15. Franks, B.J. (Editor), <u>Principal Aquifers in Florida</u>, 1982. U.S. Geological Survey.

9 1

16. U.S. Geological Survey, <u>Public Water Supplies of Selected Municipalities</u> in Florida, 1975. Water Resources Investigations 77-53.

- Fernald, E.A., (Editor), Atlas of Florida, 1981. Rose Printing Co. Tallahassee, Florida.
- Sax, N.I. Dangerous Properties of Industrial Materials, 6th Edition, 1984. Van Hostrand Reinhold Company, New York.
- Weast, R.C., CRC: Handbook of Chemistry and Physics, 56th Edition, 1975. Chemical Rubber Publishing Co. Cleveland, Ohio.
- Windhole, M. A., (Editor), The Merck Index, 9th Edition, 1976. Merck and Co. Inc., Rahway, N.J.
- Broward County Water Supply Assurance Program Future Well Field Site and Existing Well Field Zones of Influence, 1984.
- Geraghty and Miller, Five Ash Well Field Groundwater Studies and Master Plan for Contaminant Removal Treatment at the Executive Airport and Prospect Well Fields, 1985.
- 23. Camp Dresser and McKee, Prospect Well Field Impact Analysis, 1980.
- Hendry, L.C., Goodwin, T.M. and Labisky, R.F., Florida's Vanishing Wildlife, Florida Cooperative Extension Service Circular 485 (Revised), July, 1982.
- Causavas, C. R., 1985, Geology of the Surficial Aquifer System, Broward County Florida, U.S. Geological Survey Water Resources Ivnestigation Report 84-4068, 167 p., 2 sheets.

Facility name: Boston Printing Co., Inc.
Location: 741 NW 57th Place, Ft. Lauderdale, Fl 33309
EPA Region:
Person(s) in charge of the facility: George Stern, owner
(Same address)
Name of Reviewer: Cortland S. Hill General description of the facility: (For example: fandfill, surface impoundment, pile, container; types of hazardous substances; location of the facility; contamination route of major concern; types of information needed for rating; agency action, etc.)
The facility, located approximately 3 blocks east of the Ft.Laud-
erdale Executive Airport, conducts film processing and printing
operations. Silver, n-propanol, acetic acid, benzyl alcohol,
hydroquinone, and potassium hydroxide are used in processing.
Liquid wastes undergo silver recovery procedures, prior to being
discharged to a subsurface drainfield. The original drainfield
reportedly failed, and was replaced in 1985. Acetone was detected
in groundwater adjacent to the site, during a recent inspection. Scores: $S_M = (S_{gw} = 93.3 S_{sw} = 0.00 S_a = 0.00) = 53.95$
$S_{\text{FE}} = 0.00$
s _{DC} = 0.00

FIGURE 1 HRS COVER SHEET

			Ground Water Route Work Sheet	t						
	Rating Factor		Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)			
1	Observed Release		0 45	1	0	45	3.1			
If observed release is given a score of 45, proceed to line 4. If observed release is given a score of 0, proceed to line 2.										
2	Route Characterist Depth to Aquifer Concern		0 1 2 3	2	6	6	3.2			
	Net Precipitation Permeability of t	he	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1 1	2 3	3 3				
	Unsaturated Zoi Physical State	ne	0 1 2 3	1	3	3				
			Total Route Characteristics Score		14	15				
3	Containment		0 1 2 3	1	3	3	3.3			
4	Waste Characteris Toxicity/Persiste Hazardous Waste Quantity	ence	0 3 6 9 12 15 18 7 8) 1	18 8	18 8	3.4			
			Total Waste Characteristics Score			26				
5	Targets Ground Water U Distance to Near Well/Population Served	rest	0 1 2 3 0 4 6 8 10 12 16 18 20 24 30 32 35 40	3	9 40	9 40	3.5			
6	If line 11 is 45,	multiply	Total Targets Score		49	49				
		multiply nultiply	-	5	3,508	57,330				
7	Divide line 6 b	y 57,330	and multiply by 100	Sgw =	93.3	33				

FIGURE 2
GROUND WATER ROUTE WORK SHEET

			Surfac	e Wa	ter F	Route	Work	Shee	ţ			
	Rating Factor		А	ssign (Circ					Multi- plier	Score	Max. Score	Ref. (Section)
	Observed Release		0			45	5		1		45	4.1
	If observed release is given a value of 45, proceed to line 4. If observed release is given a value of 0, proceed to line 2.											
2	Route Characteristic Facility Slope and Terrain		ıg 0	1 2	2 3				1		3	4.2
	1-yr. 24-hr. Rainfal Distance to Neare Water		0		2 3				1 2		3 6	
	Physical State		0	1 7	2 3				1 		3	
ļ		To	tal Roc	ite Cr	arac	teris	tics So	ore			15	
3	Containment		0	1 2	2 3				1		3	4.3
4	Waste Characteristic Toxicity/Persister Hazardous Waste Quantity	ice		3 6			5 18 5 6	7 8	1		18 8	4.4
		Тс	otal Was	ste C	narad	cteris	tics S	core			26	
5	Targets								•			4.5
	Surface Water Us Distance to a Sen Environment		0	1	2 2	3 3			3 2		9 6	
	Population Served to Water Intake Downstream	/Distance) 12 24	4 16 30	6 18 32	8 20 35	19 40		1		40	
			То	tal Ta	rget	s Sc	ore				55	
6		ultiply 1 Iltiply 2) × × [5					64,350	
7	Divide line 6 by	64,350 and	1 multip	oly by	100				S _{sw} -			

FIGURE 7
SURFACE WATER ROUTE WORK SHEET

			Air Rout	e Work Sheet	II.A.			
	Rating Factor		Assigned (Circle		Multi- plier	Score	Max. Score	Ref. (Section)
	Observed Release		0	45	1		45	5.1
	Date and Location	:		**************************************			····	
ļ	Sampling Protocol	:				·		
			0. Enter on line [5].				
2	Waste Characteris Reactivity and Incompatibility Toxicity Hazardous Waste Quantity			3 3 3 4 5 6	1 3 7 8 1		3 9 8	5.2
	-		Total Waste Char	acteristics Sco	ore T		20	
3								
[a]	Targets Population Within 4-Mile Radius		} 0 9 12 1 21 24 27 3	80	1		30	5.3
	Distance to Sensi Environment Land Use	tive	0 1 2	3	2		6 3	
			Total Targ	ets Score			39	
4	Multiply 1 x 2	x 3					35,100	
5	Divide line 4 by	y 35,100	and multiply by 10	00	Saª			

FIGURE 9 AIR ROUTE WORK SHEET

	S	5 ²
Groundwater Route Score (Sgw)	93.33	8711.11
Surface Water Route Score (S _{SW})	0	0
Air Route Score (Sa)	0	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		8711.11
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2}$		93.33
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2} / 1.73 = s_M =$		53.95

FIGURE 10 WORKSHEET FOR COMPUTING $\mathbf{S}_{\mathbf{M}}$

-			F	ire a	nd	Exp	olos	non	Wo	ork S	hee	NO.	rate	D	
	Rating Factor					jne rcle		alue ne)	е			Multi- plier	Score	Max. Score	Ref. (Section)
1	Containment			1					3			1		3	7.1
2	Waste Characterist Direct Evidence Ignitability Reactivity Incompatibility Hazardous Waste Quantity			0 0 0 0	1 1 1 1	2 2 2 2	3 3 3 3	4	5	6	7 8	1 1 1 1 1		3 3 3 8	7.2
			Total	Was	ite (Cha	ırac	teri	stic	s Sc	ore			20	
	Targets Distance to Neare Population Distance to Neare Building Distance to Sensi Environment Land Use Population Within 2-Mile Radius Buildings Within 2-Mile Radius	est tive		0 0 0 0 0 0	1 1 1 1 1	2 2 2 2 2	3 3 3 3 3	4	5 5 5			1 1 1 1 1		5 3 3 5 5	7.3
4	Multiply 1 x 2			То	tal	Tar	get	s S	core	9				1,440	
5	5 Divide line 4 by 1,440 and multiply by 100 S FE =														

FIGURE 11
FIRE AND EXPLOSION WORK SHEET

		Dire	ct Cor	ntact	Work	Sheet	NOT	RATEI)	
	Rating Factor		signe Circle				Multi- piler	Score	Max. Score	Ref. (Section)
	Observed Incident	0			45		1		45	8.1
	If line 1 is 45, proceed to the state of the							_		
2	Accessibility	٥	1 2	3			1		3	8.2
3	Containment	0	15				1		15	8.3
4	Waste Characteristics Toxicity	0	1 2	3		,	5		15	8.4
5	Targets Population Within a 1-Mile Radius	0	1 2	3	4 5		4		20	8.5
	Distance to a Critical Habitat	С	1 2	3			4		12	
		Tota	al Tarç	gets	Score				,	
6	If line 1 is 45, multiply If line 1 is 0, multiply				5				21,600	
7										

FIGURE 12 DIRECT CONTACT WORK SHEET

DOCUMENTATION RECORD FOR HAZARD RANKING SYSTEM

INSTRUCTIONS: As briefly as possible summarize the information you used to assign the score for each factor (e.g., "Waste quantity - 4,230 drums plus 800 cubic yards of sludges"). The source of information should be provided for each entry and should be a bibliographic-type reference. Include the location of the document.

FACILITY NAME: _	Boston Printing Co., Inc.
LOCATION:	741 NW 57th Place, Ft. Lauderdale, FL 33309
DATE SCORED:	May 12, 1986
PERSON SCORING:	Thomas H. Greenhalgh
PRIMARY SOURCE(S)	OF INFORMATION (e.g., EPA region, state, FIT, etc.):
Site Inspection ReFDER File	eport prepared by E.C. Jordan Co.
	•

FACTORS NOT SCORED DUE TO INSUFFICIENT INFORMATION:

COMMENTS OR QUALIFICATIONS:

Med a Supple commendant den e

GROUND WATER ROUTE

1 OBSERVED RELEASE No observed release.

 $\frac{\text{SCORE} = 0}{(\text{Ref. 1})}$

Contaminants detected (5 maximum):

Rationale for attributing the contaminants to the facility:

Acetone was detected in the groundwater at Boston Printing Co., Inc., but only in upgradient (Ref. 15: Fig. 1-6) GW-1 wellwater (Ref. 2: Table 1.0).

* * *

2 ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

SCORE = 3

Name/description of aquifer(s) of concern

The Biscayne aquifer is a sole-source, very permeable, unconfined aquifer comprised chiefly of limestone, sandstone and sand. The thickness of the aquifer in the area is 240 feet and the top of the aquifer ranges in depth from sea level to 20 feet (Ref. 3).

Depth(s) from the ground surface to the highest seasonal level of the saturated zone (water table(s)) of the aquifer of concern:

2.6 feet (Ref. 2: Table 2)

Depth from the ground surface to the lowest point of waste disposal/storage:

O feet Photochemical waste discharged to subsurface drainfield (Ref. 2: Sec. 5.1).

Net Precipitation

SCORE = 2

Mean annual or seasonal precipitation (list months for seasonal):

60 inches/year (Ref. 6: pg. 53)

Mean annual lake or seasonal evaporation (list months for seasonal):

52 inches/year (Ref. 6: Fig. 13, inset)

Net precipitation (subtract the above figures):

8 inches/year

Permeability of Unsaturated Zone

SCORE = 3

Soil type in unsaturated zone:

Sandy (Ref. 15; Ref. 2: Sec. 3.4)

1 drum/50 gal.

Permeability associated with soil type:

>10⁻³ cm/sec (Ref. 1: Table 2)

Physical State

SCORE = 3

Physical state of substances at time of disposal (or at present time for generated gases):

Liquid (Ref. 2: Sec. 5.1; Ref. 10: part 2, Div. II)

* * *

3 CONTAINMENT

<u>Containment</u> SCORE = 3

Method(s) of waste or leachate containment evaluated:

Solid wastes are placed in an on-site dumpster (Ref. 2: Sec. 5.3)

Wastewater goes through two silver recovery units and then is discharged into a drainfield (Ref. 2: Sec. 5.1).

Method with highest score:

Drainfield - evaluated as containers leaking and no liner or incompatible liner (Ref. 1: Table 3).

4 WASTE CHARACTERISTICS

SCORE = 18

Toxicity and Persistence

Compound(s) evaluated

```
Silver
                                 (Ref. 7; Ref. 14; Ref. 2: part 2, Div III)
                          18
Benzyl Alcohol
                           9
                                 (Ref. 9; Ref. 13: p. 2 & 3)
                                                      p. 4)
Hydroquinone
                           9
                                 (Ref. 9; Ref. 13:
                                 (Ref. 9; Ref. 13: (Ref. 7; Ref. 13:
                                                      pp. 5 & 6)
p. 9)
Potassium Hydroxide -
                           9
Formaldehyde
Compound with highest score:
```

Silver - 18 (Ref. 13; Ref. 10: part 2, Div. III)
(Ref. 7)

Hazardous Waste Quantity

SCORE = 8

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum)

17,024 drums

Basis of estimating and/or computing waste quantity:

```
Rinsewater
```

```
7/82 - 9/84: 100 gal/day (Ref. 11; Ref. 19) X 2 yrs X 5 day/wk X 52 wk/vr X 1 drum/50 gal = 1,040 drums
```

9/84 - 6/86: 1500 gal/day (Ref. 17; Ref. 18) X 2 yrs X 5 day/wk X 52 wk/yr X 1 drum/50 gal + 15,600 drums

Photoprocessing sludge

```
7/82 - 6/86: 10 drums/month (Ref. 16) X 12 months X 4 yrs (Ref. 11) = 384 drums 
 (384 + 15,600 + 1040) drums = 17,024 drums
```

5 TARGETS

SCORE = 3

Ground Water Use

Use(s) of aquifer(s) of concern within a 3-mile radius of the facility:

Drinking water (Ref. 5: pg. 187)

The Biscayne aquifer is a "sole-source aquifer" in southeast Florida (Ref. 3).

Distance to Nearest Well

SCORE = 4

Location of nearest well drawing from <u>aquifer of concern</u> or occupied building not served by a public water supply:

Municipal well #13 is located northwest of the site (Ref. 12).

Distance to above well or building:

1600 ft. (Ref. 12)

Population Served by Ground Water Wells Within a 3-Mile Radius SCORE = 5

Identified water-supply well(s) drawing from <u>aquifer(s)</u> of concern within a 3-mile radius and populations served by each:

The majority of Fort Lauderdale's municipal supply wells are located within 3 miles of the site (Ref. 8).

The population of Fort Lauderdale was 226,430 in 1975 (Ref. 5: pg. 187).

Computation of land area irrigated by supply well(s) drawing from aquifer(s) of concern within a 3-mile radius, and conversion to population (1.5 people per acre):

N/A - The site is located in a residential/commercial district (Ref. 4).

Total population served by ground water within a 3-mile radius:

< 200,000 (Ref. 5: pg. 187)</pre>

 $\frac{\text{SCORE} = 40}{(\text{Ref. 1})}$

Not Rated - The site is located within a closed basin (Ref. 4), thus intervening terrain precludes the migration of potential contaminants to surrounding surface water bodies.

SURFACE WATER ROUTE

1	OBSERVED	RELEASE

Contaminants detected in surface water at the facility or downhill from it (5 maximum):

Rationale for attributing the contaminants to the facility:

* * *

2 ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain

Average slope of facility in percent:

Name/description of nearest downslope surface water:

Average slope of terrain between facility and above-cited surface water body in percent:

Is the facility located either totally or partially in surface water?

Is the facility completely surrounded by areas of higher elevation?
1-Voor 24-Hour Prinfoll in Inches
1-Year 24-Hour Rainfall in Inches
Distance to Nearest Downslope Surface Water
Physical State of Waste
3 CONTAINMENT
Containment
Method(s) of waste or leachate containment evaluated:
Method with highest score:

4 WASTE CHARACTERISTICS
Toxicity and Persistence
Compound(s) evaluated
Compound with highest score:
Hazardous Waste Quantity
Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):
Basis of estimating and/or computing waste quantity:
* * *

5 TARGETS

Surface Water Use

Use(s) of surface water within 3 miles downstream of the hazardous substance:

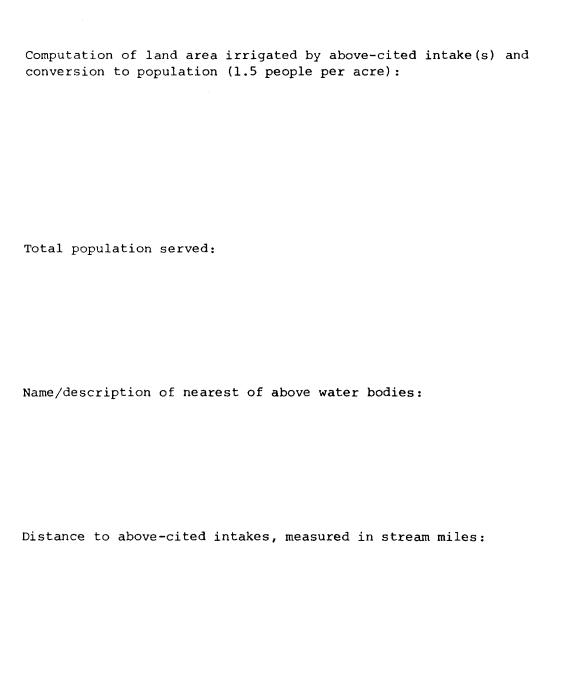
Is there tidal influence?
Distance to a Sensitive Environment
Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:
Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:
Distance to critical habitat of an endangered species or national wildlife refuge, if 1 mile or less:
Population Served by Surface Water
Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies of

1 mile (static water bodies) downstream of the hazardous substances and population served by each intake:

AIR ROUTE NOT RATED

1 OBSERVED RELEASE
Contaminants detected:
Date and location of detection of contaminants
Methods used to detect the contaminants:
Rationale for attributing the contaminants to the site:
* * *
2 WASTE CHARACTERISTICS
Reactivity and Incompatibility
Most reactive compound:

Most incompatible pair of compounds:



To	хi	ci	ty

Most toxic compound:

Hazardous Waste Quantity

Total quantity of hazardous waste:

Basis of estimating and/or computing waste quantity:

3 TARGETS

Population Within 4-Mile Radius

Circle radius used, give population, and indicate how determined:

0 to 4 mi. 0 to 1 mi. 0 to 1/2 mi. 0 to 1/4 mi.

Distance to a Sensitive Environments

Distance to 5-acre (minimum) coastal wetland, if 2 miles of less:

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

1

Distance to critical habitat of an endangered species, if 1 mile or less:

Land Use

Distance to commercial/industrial area, if 1 mile or less:

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

Distance to residential area, if 2 miles or less:

Distance to agricultural land in production within past 5 years, if 1 mile or less:

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

Is a historic or landmark site (National Register or Historic Places and National Natural Landmarks) within the view of the site?

FIRE AND EXPLOSION NOT RATED

Not Reported

1 CONTAINME	NT
-------------	----

Hazardous substances present:

Type of containment, if applicable:

2 WASTE CHARACTERISTICS

Direct Evidence

Type of instrument and measurements:

Ignitability

Compound used:

Reactivity

Most reactive compound:

Incompatibility

Most incompatible pair of compounds:

Basis of	estimating and/or computing waste quantity:
	* * *
3 TARGET	rs
Distance	to Nearest Population
Distance	to Nearest Building
Distance	to Sensitive Environment
Distance	to wetlands:
Distance	to critical habitat:
Land Use	
Distance	to commercial/industrial area, if 1 mile or less:

Total quantity of hazardous substances at the facility:

Hazardous Waste Quantity

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:
Distance to residential area, if 2 miles or less:
Distance to agricultural land in production within past 5 years, if 1 mile or less:
Distance to prime agricultural land in production within past 5 years, if 2 miles or less:
Is a historic or landmark site (National Register or Historic Places and National Natural Landmarks) within the view of the site?
Population Within 2-Mile Radius
Buildings Within 2-Mile Radius

DIRECT CONTACT NOT RATED

I OBSERVED INCIDENT	
Date, location, and pertinent detai	ls of incident:

Not reported

2 ACCESSIBILITY

Describe type of barrier(s):

3 CONTAINMENT

Type of containment, if applicable:

4 WASTE CHARACTERISTICS

Toxicity

Compounds evaluated:

Compound with highest score:

5 TARGETS

Population within one-mile radius

Distance to critical habitat (of endangered species)

REFERENCES

If the entire reference is not available for public review in the EPA regional files on this site, indicate where the reference may be found:

Reference Number

Description of the Reference

- 1. USEPA, 1984. Uncontrolled Hazardous Waste Site Ranking System: A Users Manual.
- 2. Jordan Co., E.C., 1986. Site Inspection Report: Boston Printing Co., Inc.
- 3. Klien, Howard, and Causaras, C.R., 1982. Biscayne aquifer, southeast Florida, and the contiguous surficial aquifer to the north, in Franks, B.J. ed., Principal aquifers in Florida: U.S. Geological Survey Water-Resources Investigations Open-File Report 82-255, 4 sheets. Tallahassee, Florida.
- 4. U.S. Geological Survey, 1983 Quad Map: Fort Lauderdale North, Pompano Beach, FL, West Drive Beach, FL.
- 5. Healy, Henry G., 1975. Public Water Supplies of Selected Municipalities in Florida: U.S. Geological Survey Water Resources Investigations 77-53.
- 6. Heath, R.C., and Conner, C.S., 1981. Hydrologic Almanac of Florida: U.S. Geological Survey Open-File Report 81-1107, Tallahassee, Florida.
- 7. United States Environmental Protection Agency, No Date. Table I: Hazardous Ranking System Waste Characteristics Values (Toxicity/Persistence Matrix).
- 8. Florida Department of Environmental Regulation, 1986, Well Field Computer Print Out: Bureau of Information Systems, Tallahassee, Florida.
- 9. Sax, N.I., <u>Dangerous Properties of Industrial Materials</u>, Van Nostrand Rheinhold Company, New York, 6th edition, 1984.
- 10. Jordan Co., E.C., 1985. Site Trip Summary and Inspection Field Notes.
- 11. Kester, Bruce, 1984. Letter to Jim Orban (EPA).
- 12. Geraghty and Miller, Five Ash Well Field Groundwater Studies and Master Plan for Contaminant Removal Treatment at the Executive Airport and Prospect Well Fields, 1985.
- 13. Broward County Environmental Quality Control Board, No Date. Hazardous Materials Survey: Boston Printing.

Reference

Number

Description of the Reference

- 14. Shallenberger, Carl, 1984. Complaint.
- 15. Camp Dresser & McGee Inc., et al 1986. Hollingsworth Solderless Terminal Company Feasibility Study Final Report. <u>In Performance of Remedial Response Activities at Uncontrolled Hazardous Waste Sites</u>, U.S. EPA Contract No. 68-01-6939.
- 16. Broward County Environmental Quality Control Board, 1985. Existing or New Industrial Source Investigation.
- 17. FDER, 1985. Application to Operate/Construct Industrial Wastewater Treatment and Disposal Systems.
- 18. Kester, B.; 1985. Memo to G. Riley.
- 19. Shelton, P.R., 1984. Memo to File.

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Kulakowski

PRINCIPAL AQUIFERS IN FLORIDA

Edited By Bernard J. Franks

SAND-AND-GRAVEL AQUIFER

By Mary Cushman-Rolain and Bernard J. Franks

WATER-RESOURCES INVESTIGATIONS OPEN-FILE REPORT 82-255

Prepared in cooperation with the

FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION

FLORIDAN AQUIFER

By James A. Miller

with a section on

ALTITUDE OF THE BASE

OF FRESH GROUND WATER

IN FLORIDA

By Craig B. Bentley

SURFICIAL AND INTERMEDIATE AQUIFERS

By Henry G. Healy

BISCAYNE AQUIF
SOUTHEAST FLOT
AND THE CONTIGUE
SURFICIAL AQUIF
TO THE NORTH

By Howard Klein : Carmen R. Causara



lassee, Florida

Uilli

i ex

INTRODUCTION

Surficial aquifers are the major sources of drinking water in southeast Florida (fig. 11). The Biscayne aquifer, which supplies Dade and Broward Counties and southeast Palm Beach County, is the principal squifer. A contiguous surficial

squifer (a possible northward extension of the Biscayne) supplies most of Palm Beach, Mertin, and St. Lucie Countles.

The surficial aquifers, the interconnected primary canals with flow-regulation structures, the three water-conservation with flow-regulation structures, the three water-conservation areas, and Lake Okeechobee constitute an integrated hydrologic system utilized for management of the water resources of southeast Florida by the South Florida Water Management District. Flood protection is furnished by discharging part of the surplus stormwater through the canals to the ocean. Part of the surplus is backpumped for storage in the waterconservation areas and is made svaluble for urban and agri-cultural use during the dry season (December through May) by redistribution through the canal system. Part of the conserved water channeled to the coast is used to maintain coastal ground-water levels high mough to retard saltwater intrusion

Because the Biscayne squifer is highly permeable and vulnerable to contamination through its recharge zone, and because it is the sole source of drunking water for more than 3,000,000 people in southeast Florids, the U.S. Environmental Protection Agency has designated the Biscayne squifer as a "sole source squifer." This designation, provided for by the Safe Drinking Water Act of 1974 (Public Law 33-523), requires studies to letermine that federally-financed projects will not contaminate designated aquifers.

HYDROGEOLOGY

The Biscayne aquifer, the major source of drinking water in Dade, Broward, and southeast Palm Seach Counties, is composed of Smestone, sandstone, and sand (Parker, 1951, p. 820-82) It is primarily limestone in south and west Dade County and becomes increasingly sandy to the north and east. The limescone is solution-riddled, resulting in high permeability (hedraulic conductivity). The occasing content of sand reduces the permeability within the aquifer. Highcapacity municipal supply wells are bottomed in thick imeatons sections. Large-diameter public-supply wells produce as much sections. Large-diameter public-supply wells produce as such as 7,000 gal/min in Dade County with comparatively small water-level drawdowns. The aquifer is more than 240 feet thick in cosstel Broward and Paim Beach Counties, thinning westward until it wedges out 35 to 40 miles into the Everglades. It is composed chiefly of Mismi Collte, Fort Thompson Formation, Ansatssia Formation, and a sandy limestone in the upper part of the Tamiani Formation (table 5). The Pleistocene formations are, in part, contemporaneous.

The surficial aquifer in Martin, St. Lucie, and Palm Beach Counties is composed chiefly of sand. In Martin and St. Lucie Counties, wells generally yield less than 1,000 gal/min; most wells, in fact, yield less than 500 gal/min, Relatively thin limestone and shell layers in the sand form Relatively thin limestone and shell layers in the said form highly perseable sections, but they yield less water than the limestone of the Biscayne aquifer. An important unit of the surficial squifer in east Palm Beach County is an elongate, cavity-riddled sandstone of high perseability located parallel to and inland from the coast (Fischer, 1900, p. 12-22). Large diameter wells in this zone can produce more than 1,000 gal/min (Scott, 1977, p. 7). This zone may be a northward extension of the Biscayne squifer.

Weter-Table Configuration

The contours in figure 12 show the sittlede of the water The contours in figure 13 show the sittings of the water table in southeast Florida near the end of the 1977-78 dry season (May 1978). The water table is lowest at the const, along tidal reaches of innals, and in the centers of large well-field areas, the highest adjacent to the water-conservation areas and in areas of higher and elevation in it. Lucke, fartin, and them heads from the ingredient, interior parts of the systems, and from the ingredient, interior parts of the systems, and from the 'ne ingredient, niemor parte a line svations, out from the inente into the aquifer in the lowngradient, mestals parte of the evetem. The solated lepressions her is large rittles represent the drawdown if he water able caused by large-scale pumping for municipal supplies. The largest and despert temperatures are near what and fort littlescale.

tepressions are near wisst and fort inderdals. The wide spacing rlow (radient) of he insteads in Gode and froward founties indicates unterstate of relatively high ermosphility in he inquiter as instructed with the close spacing thigh gradient) in the northerm ministed where the permeability is such lower. The contours an orth falm beach county and in parts of farth lousty are widely spaced because the equiter is fully saturated—the area is marshy, and the contents of the co the continue follow he virtually flat land surface.

. STRUCTURE: TOP. BASE, AND THIC

n. The surficial squifers in southeast Flor near the coast and wedge out in the interior the top of the Biscoyne aquifer and the con-aquifer to the north are identical to the elevasurface, ranging from sea level to about 20, level pear Lake Okeechobee.

The sitting of the base of the squife figure 13. Much of this map is modified from Schroeder and others (1958, fig. 2) and by Mil-maximum depth, more than 240 feet below sea Fort Lauderdale-Boca Raton area. The bottor The bottor ! in Dade County and south Broward County is surface and is usually at the base of a gray oof high permeability, which is underlain by a sand or sult of low permeability. Farther to base of the aquifer is not as distinct; it is re-some of transition from mixtures of sand, shellsult of low or moderate permeability down to chi

of very low permeability.

The thickness of the squifer at a seleca stimated by subtracting the sliftude of the ham from the sittitude of the land surface at saturated thickness can be estimated, swalarly the sittitude of the base of the equifer from the water table shown in figure 12. The wedge pranges in thickness from more than 230 feet in a few feet near its western limit

WATER QUALITY

The water in the Biscayne and the confinence of southeast Florida is a hard, calcily type, with variable amounts of fron Selecte data have been summarized in several regions and others (1955). Schroeder and in Tarver (1964), and Klein and Hull (1978), and selected water annual and the confinence of the Biscayne and an account of the Biscayne and an account of the Biscayne and a selected water models. selected water quality data for the discarne age in table 2 (sheet 1) of this report

in table 2 (sheet 1) of this report

Dissolved solids and chloride concentration
low (about 300 milligrams per filter [mg/L], respectively), although in wells near the mineralized water is present. The pil is alkaline, and hardness is typicitly always quality of water in the aquafer is generally in drinking water, except for locally high iron a concentrations. Iron concentration is highly difficult to predict. High organic concentration high color content in the water, and is a treat. high color content in the water, and is a tien; a parts of north and central Bade and with Br

Saltwater intrusion into the surficial aquible. Florida has been a problem, particularly in D in Counties, and will probably continue to be a p out the coastal area as water demands inci- to others, 1972, p. 68) Intrusion first develop. area in the 1900's and 1940's as a result of us drainage which caused excessive decline of wat response to lowered levels was a gradual infer-saltwater slong the deep parts of the surficia placement and operation of flow-regulation strop and the water-management practices of the Son Management District have succeeded in preadvances of saltwater in most areas

The inland extent of water containing corr 10,000 mg/L of dissolved solids, or more, at of the surficial squifers at the end of the PT (May 1979) is shown in figure 13. This map modified from McCoy and Sherwood (1968 fig.SI modified (1909 PcCloy and Sherwood 11999 (193) others (1973, fig. 13), 3-mit and shers (1 1979, fig. 58) Intrusion is most exident iquifier to the vicinity of the uncontrolled res-hs. Missal area, the best Lauderstee area of glade a low sevention in south Daile County

glade of low elevation in south Darle trusts in contrast, satisfact intrusion is noted as influence in south of Palm Seach and is indicated by the proximity in the next of the infigure 13. This general is a finite interest of 13 maintenance of a desired partial of the shallow aguster by the managine 13 he lower permeability of the aquifer as an fet a) he sever permeability of the aquiter of the Confidence of the Confidence of the continent of the continen

HEAST FLORIDA, AND CONTIGUOUS SURFICIAL AQUIFER TO THE NORTH

The same of the sa

77.1

Green ...

By Howard Klein and Carmon R. Causaras 🚟

STRUCTURE: TOP, BASE, AND THICKNESS

The surficial squifers in southeast Florids are thickest near the coast and wedge out in the interior. The altitudes of the top of the Biscayne aquifer and the contiguous surficial aquifer to the north are identical to the elevation of the land surface, ranging from see level to about 20 feet above see level near Lake Okrechobes.

The aititude of the base of the aquifers is shown in figure 13. Much of this map is modified from earlier work by Schroeder and others (1958, fig. 2) and by Miller (1980). The maximum depth, more than 240 feet below see level, a in the Fort Lauderdale-Bocs Raton area. The bottom of the squifer in Dade County and south 3roward County is a fairly ristinct surface and is usually at the base of a gray nodular sandstone of high permeability, which is underlain by fine to medium sand or ailt of low permeability. Farther to the north, the base of the aquater is not as distinct; it is represented by a cone of transition from mixtures of sand, shelly material, and silt of low or moderate permeability down to clay and silty clay of very low permeability.

The thickness of the aquifer at a selected site can be estimated by subtracting the altitude of the base of the aquifer from the altitude of the land surface at that site. The saturated thickness can be estimated, similarly, by subtracting the altitude of the base of the aquifer from the altitude of the water table shown in figure 12. The wedge-shaped aquifer ranges in thickness from more than 240 feet near the coast to a few feet near its western limit.

WATER QUALITY

The water in the Biscayne and the contiguous surficial The water in the Biscayne and the contiguous surricinal equifier of coutheast Florida is a hard; calcium bicarbonate type, with variable amounts of iron. Selected water quality data have been summarized in several reports, including Parker and others (1955), Schroeder and others (1958), Tarver (1964), and Klein and Hull (1978). A summary of selected water quality data for the Biscayne equifer is included in table 2 (sheet 1) of this report.

Dissolved solids and chloride concentrations are usually

in table 2 (sheet 1) of this report.

Discover solids and rhighde concentrations are usually low (about 300 millgrams per http: [mg/L] and 30 mg/s, respectively), although in wells near the coast highly mineralized water is present. The pH is usually slighly altaline, and hardness is typically about 300 mg/L. The quality of water in the squifer is generally acceptable for drinking water, except for locally high iron and high organic concentrations. Iron concentration is highly variable and difficult to predict. High organic concentration is related to high one content in the water, and is a treatment northless in high color content in the water, and is a treatment problem in parts of north and central Dade and south Broward Counties.

Saltwater intrusion into the surficial equifers in southeast Fiorida hee been a problem, particularly in Dade and Broward Counties, and will probably continue to be a problem through-Counties, and will probably continue to be a problem through-out the coestal area as water demands increase (Leach and others, 1972, p. 68). Intrusion first developed in the Misms area in the 1930's and 1940's as a result of uncontrolled canal drainage which caused excessive decline of water levels. The response to lowered levels was a gradual inland migration of saltwater along the deep parts of the surficial squifers. The placement and operation of flow-regulation structures in tensis and the water-management prectices of the South Florida Water Management District have succeeded in preventing further sdvences of raitwater in most areas

The miand extent of water containing concentrations of The miand extent of water containing concentrations of 10,000 mg/L of dissolved solide, or more, at or near the base of the surficial squifers at the end of the 1978-78 dry season (May 1979) is shown in figure 13. This map is admoted and modified from McCoy and Sherwood (1988, ig. 8), word and others 11972, fig. 13). Frost and others (1977), and dust 1979, fig. 58). Intrusion is most evident in the Blessyne aguster in the victnity of the uncontrolled reaches of canals in the Misma even, he fort Lauderdale area, and the results in the misma from electric moments links interest.

The Mismi eres, he fort Lauderdale eres, and the restal glade of low elevation in each blade ounty in matreat, elevate intrusion is not now (1981) a significant problem is need of Pass Heach and Martin Counties, so indicated by the immunity to the meet of the 10,000 mg/L interval of the indicated by the country to the meet of the 10,000 mg/L interval of the indicated parts. In an interval of high water even to meetal parts. The indicate equilier by the management agreedes; 2) the lower expectable of the Biconyme equifer and 3) relatively meal entitlements with that from water accounts on the parts of the management increase a lettern years, strict estammanagement practices will be required if saltween attresses in the because of the parts.

2

- BRLECTED REFERENCES
 Fischer, J. N., 1980, Evaluation of a cavity-riddled 2 the; shallow squifer near Riviera Reach, Palm County, Florida: It S Geological Survey Resources Investigations 80-80, 39 p.
- Resources Investigations 80-60, 39 p.
 Hull, J. R., 1979, Summary of hydrologic data collected.
 1977 in Dade County, Florida: 11 S. Geological.
 Open-File Report 79-514, 91 p.
 Klein, Howard, Armbruster, J. T., McPherson, B. F.
 Freiberger, L. J., 1975, Water and the south invironment. U.S. Geological. Survey. Water Rea.
 1986 New York of the County of th

- Southeast Florids: If S. Geological Survey Resources (avestigations 78-107, 52 p. Land, L. F., Rodis, H. G., and Schneufer J. J., 1973. Appraisal of the water resources of eastern Falm County, Florida: Florida Bureau of Geology Replinvestigations 87, 64 p. Leach, S. D., Klein, Howard, and Hampton F. R., Hydrologic effects of water control and managem southeastern Florida: Florida Bureau of Geology P. of Investigations 80, 115 p.
- of investigations 60, 115 p. y, H. J., and Sherwood, C. S., 1954. dater in R County, Florida: Florida Division of Geology Map McCoy, H. J., 29.
- 29.

 Miller, W. L., 1980, Geologic sepects of the surficial square the Upper East Coast Planning area, southeset F U.S. Geological Survey Water-Resources investigned-Parker, G. G., 1981, Geologic and hydrologic factors permitted field of the Biscayne aquifer: American Works Association Journal, v. 43, p. 817-834

 Parker, G. G., Ferguson, G. E., Love, S. K., and so 1955, Water resources of southeastern Florids with 4 reference to the geology and ground water of the
- reference to the geology and ground water of the area: U.S. Geological Survey Water-Supply Paper
- peder, M. C., Klein, Howard, and Hov. N. D. Biscayne equifer of Dade and Brownid Countries, F. Florida Geological Survey Report of Investigate Schroeder, M. C.,
- Scott, W. B., 1877, Hydraulic conductivity and water of the shallow aquifer, Palm Beach County, Florida-Geological Survey Water-Resources Investigations 7
- Geological during masses 22 p. 7

 Scotts, W. B., Land, L. F., and Rodis, H. G., 1977, Sabintrusion in the shallow equaler in Martin and Palmi-Counties, Florida: U.S. Geological Survey f Resources Investigations Open-File Report 78-175, 15

 Sherwood, C. B., McCoy, H. J., and Galisher, C. F. J. Water resources of Broward County, Florida B. Brown of Gambory Report of Investigations 65, 111
- Bureau of Geology Report of Investigate in 65, 1818

 Tarver, G. R., 1984, Hydrology of the Biscaune aquifert
 Pompano Beach area, Broward County Herrita

 Division of Geology Report of Investigate in 37, 173

ABBREVIATIONS AND CONVERSION FACTORS

System (51) and abbreviations of units

Multiply inch-pound units	17	To obtain metric (5)
foot (ft)	1 3048	meter (m)
sile (mi)	1 509	kilometer (km)
julium yay mamuta yul/mam)	1 14309	liter per second

Valinna | Industry Version | Datum of 1929 (NGVD of 1929 goodstie latum derfers) from a general educations of their scales are later and Country said "mean on ever" NGVD of 1929 is refered as "real ever" by the later of this report.

1

OVERSIZED DOCUMENT

The State of the State

大學 新 新 美国 () 电磁性 () 电影 () 电影 () 电影 () 电影

tion No.

ntion Rept. 77–53 k Unit No.

Period

, Water

ised lities port by and munities lties PUBLIC WATER SUPPLIES OF SELECTED MUNICIPALITIES IN FLORIDA, 1975

By Henry G. Healy

U.S. GEOLOGICAL SURVEY

WATER-RESOURCES INVESTIGATIONS 77-53

Prepared in cooperation with

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION SOUTH FLORIDA WATER MANAGEMENT DISTRICT SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT ST JOHNS RIVER WATER MANAGEMENT DISTRICT SUWANNEE RIVER WATER MANAGEMENT DISTRICT NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT AND OTHER STATE, LOCAL, AND FEDERAL AGENCIES

of Pages 5

DC 8249-P7

July 1977

FORT LAUDERDALE

County: Broward Population served: 226,430 River basin: Everglades and southeastern coastal area (09 02 02)

Ownership of supply or system: Municipal

Source of water: Ground water, Biscayne aquifer; 59 wells, 75 to 189 feet deep; yield 400 to 2,100 gal/min

Rated plant capacity: 60 Mga1/d Pumpage: Year— 16,798.39 Mga1

npage: Year— 16,798.39 Mgal

Highest month: April, 1,822.2 Mgal

Lowest month: October, 1,172.3 Mgal

Per capita use: 203 ga1/d

Mgal

Finished-water storage: 20 Mga1

Treatment: Aeration, chlorination, coagulation, filtration, flocculation,

pH control, softening, taste and odor control

Type/Frequency of analysis: Bacteriological, chemical, color, and turbidity/daily; spectrographic/30 times yearly

Sewage discharge: 16.97 Mgal/d (5 sewage treatment plants)

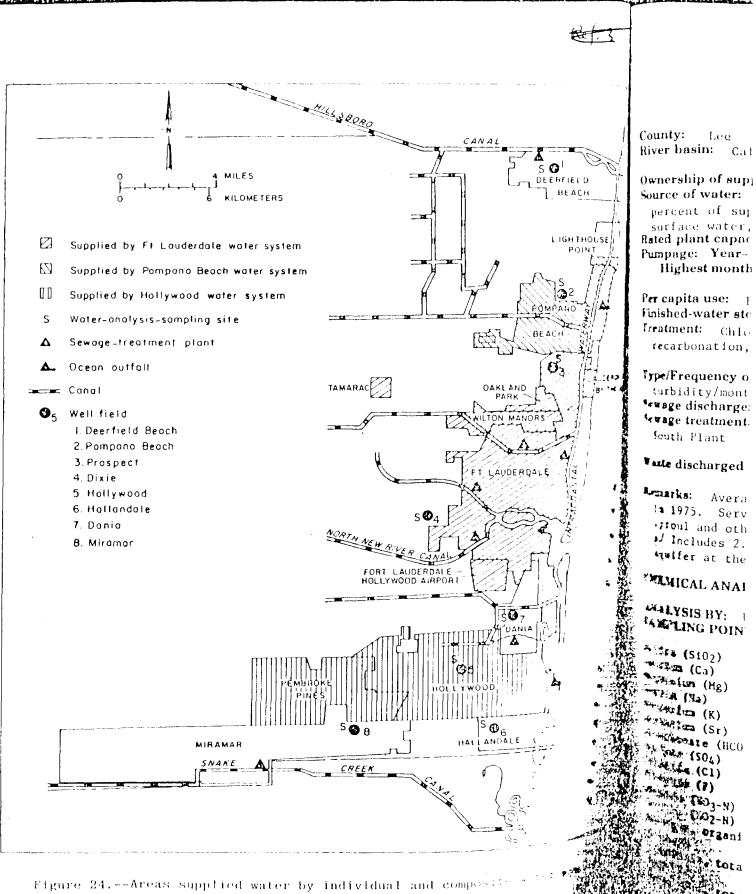
Sewage treatment: Chlorination, clarification, comminution (all); activated sludge, drying, grit chamber, skimming (2); aeration, digestion (3); contact stabilization, incineration (1)

Waste discharged to: North Fork New River Canal; Intracoastal Waterway (2); South Fork New River; North Fork Middle River

Remarks: Average daily pumpage increased from 17.10 Mgal/d in 1956 to 46.0 Mgal/d in 1975. City supplied at total of 6.576 mgd to Wilton Manors, Oakland Pk, Lazy Lake and Tamarac. City also supplies Lauderdale-by-the-sea, Sea Ranch Lake, Ft. Lauderdale-Hollywood airport andPort Everglades. Supplementary supply for Dania, Plantation and Broward County Utilities Dept. (fig 24). Leach and others (1972), Sherwood and others (1973). a/ Combined pumpage, Dixie and Prospect Well Fields. CHEMICAL ANALYSIS (milligrams per liter except as indicated)

ANALYSIS BY: U.S. Geological Survey COLLECTION DATE: 6-12-75 SAMPLING POINT: 261044080092001, Prospect water plant

Silica (SiO ₂)	9.7	Dissolved solids	
Calcium (Ca)	100	(residue at 180°C)	388
Magnesium (Mg)	2.8	Total hardness	
Sodium (Na)	19	(as CaCO ₃)	260
Potassium (K)	1.5	Noncarbonate hardness	
Strontium (Sr)	.78	(as CaCO ₃)	15
Bicarbonate (HCO3)	299	Alkalinity (as CaCO3)	245
Sulfate (SO4)	26	pH (units)	7.4
Chloride (C1)	33	Specific conductance	
Fluoride (F)	. 3	(umhos/cm at 25°C)	619
Nitrate (NO ₃ -N)	.01	Color (Pt-Co units)	45
Nitrite (NO2-N)	.00	Temperature (°C)	
Nitrogen, organic (N)		Turbidity(JTU)	
Nitrogen		Carbon, organic, total (C)	
(ammonia, total (NH4-N))	.63	Orthophosphate	
Iron (Fe)	1.8	total (PO4-P)	
Phosphorus, total (P)			



Broward County.

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

HYDROLOGIC ALMANAC OF FLORIDA

By Richard C. Heath and Clyde S. Conover

Open-File Report 81-1107

fala

Prepared in cooperation with the

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION and other STATE, LOCAL, AND FEDERAL AGENCIES

Tallahassee, Florida

1981



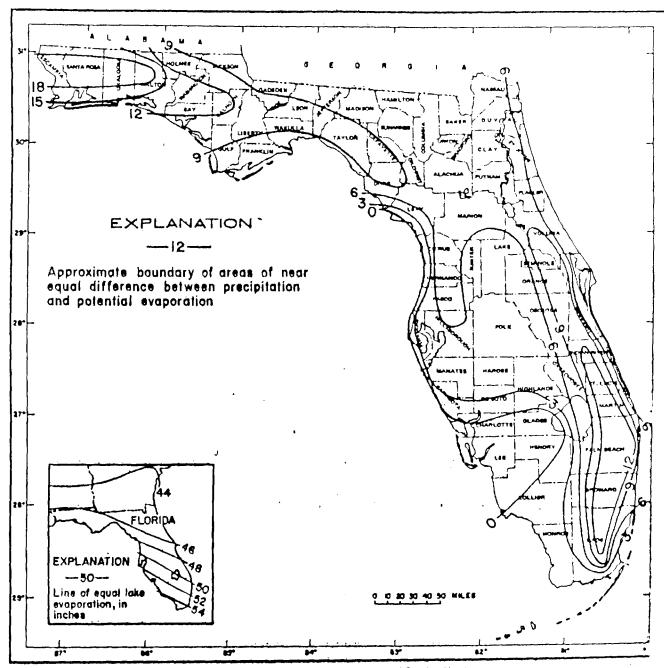


Figure 13.—The difference between rainfall and potential evaporation in Florida (modified from Visher and Hughes, 1969).

·	//a #1 ma	reit		inches)	ļ			, 	[orms]	07 340		rasofa	at) (to	cbes) '				Refer	of
County and station	Month	Dete	Day	Bate	Jas	Feb	Har	Apr	(Hay	ไนก∗	July	Aug	Bep	Oct) Nov	Dec	Tear	recor	
Machus, Gainesville 3 MSW Saher, Glen St. Hary 1 W Buy, Penama City 2 Smelford, Starke	20.19	6/92	9.93	8//32 	3.17	4.08	4.37 5.32	2.94 4.65	4.13 3.02	6.60 4.46	8.82 8.21	7.97	7.14 4.67	3.79 2.70	2.31 3.30	3,47	34 59 58.75 58.01	(25) (83) (64) (21)	1 1
Brevard, Helbourne Brevard, Et. Lauderdele Gelbous, Blountstown Cherlotte, Punts Gorda & ESE Citus, loverness			9.00	9//62	2.27 4.13 1.91 2.64	2.30 6.09 2.30 3.39	2.46 5.10 2.79 4.30	4.30 2.37 2.50	5.51 4.53 3.64 3.48	8.17 5.56 9.12 7.07	5.92 7.96 7.39 9.53	6.91 6.54 7.20 1.81	8.61 5.76 4.02 6.40	8.93 3.02 4.06 3.23	2.93 3.02 1.34 1.54	2.63 3.87 1.65 2.40	50.79 60.08 58.67 51.79 56.29	(65) (66) (14) (79)))))
Clay, Camp Blanding Chilter, Everglades Galumbia, Lake City 2 E Bada, Hissi WSMO AP Bu Joto, Arcadia Biala, Cross City 2 WMW	15.31	6/69 6/65 9/60	7.01 9.95	6/30/66 9/29/63 10//48	1.67 3.45 2.15 2.16	1.79 3.87 1.95 2.55	1.96 4.06 2.07 2.95	3.27 3.60 2.51	4.64 3.84 6.12 4.10	9.49 6.48 9.00 9.07	8.60 7.37 6.91 8.84	6.79 6.85 6.72 7.79	9.60 5.88 8.74 7.57	4.76 3.52 4.18 4.07	1.42 2.29 2.72 1.84	1.23 3.26 1.64 1.98	50.47 54.40 54.14 59.80 55.43 57.91	(16) (52) (95) (40) (78) (10)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Peret, Jacksonville VSO AP Jacembin, Pensacola FAA Ap Flagler, Harineland Jacklin, Apalachicola VSO AI Badaden, Quincy 3 STV	19.36 16.03	9/49 1/75	10.17	9//50 9//67 9//32	2.78 4.37 1.69 3.07	3.58 4.69 3.01 3.28	3.56 6.31 4.67 4.70	3.07 4.99 2.05	3.22 4.25 2.26 2.18	6.27 6.30 3.46 5.30	7.35 7.33 4.77 8.02	7.89 6.67 5.67 8.07	7.43 4.15 8.75 9.00	6.54 3.13 6.32 2.88	1.79 3.37 2.36 2.68	2.59 4.66 2.10 3.32	54.47 64.22 46.89 57.21 56.72	(42) (34) (34) (36) (11)	1 1 1 1 1 1
Hichrist, ilsdes, Hoore Haven Lock 1 hif, Wevshitchka Lomilton, Jasper 3 SE Lardes, Vauchula 2 M	18,56	1/74	6.00	6/12/55	1.76	2.06 4.51 2.79	2.88	2,67 4,41 2,85	4, 43 3, 59		7.16	6.57	7.49	4,48	1.14	1.53	50.22 51.98 54.66	(60) (23) (10) (46)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
iendry, La Balle Graendo, Brooksvilla Chiu - Nill	17.70	3/60	8.56	7/29/60				2.54 2.70							1.25 1.76		54.62 57.64	(48) (86)	i i
ighlands, Avon Park 2 W Lilaborough, Tamps WSHO R Jalmes, Bonifay	18.95	6/34 7/60		11/25/33 7//60	2 33	2.86	3.89		2.41	6.49	1.43	8.00	6.35	2.54		2.19	55.34 49.38 56.15	(61) (89) (25)	1
odiss Hiver, Fellomere 7 SEV ackson, Harisnon Ind School efferson, Honticella 3 V afayette, Hay 5 NV ake, Clermont 6 SSV	23.35	9/57 3/67	7.41 5.62	9/16/57	3.76 2.39	6.34 6.26 3.51	5.10 5.60 4.62	2.63 5.02 6.23 6.69 2.95	4.30 3.62 3.92	4.82 5.89 6.36	7.67 7.42 8.33	5.32 6.11	4.81 5.63 6.43	2.08 2.70 4.30	3.27 2.42 2.42	3.71 2.34	55 - 88 56 - 33 54 - 56 55 - 42 51 - 40	(66) (70) (75) (11) (86)	1 1 1 1 1 1
ee, Fort Hyere VSO AP. ees, Tallahassee VSO AP. evy, Ceder Key. Iberty, Bristol adison, Nadison 4 H	20.10	7/64	9.47 		3.74 2.47 2.77	4.77 2.81 4.18	5.93 3.62 6.62	4.07 2.95 5.48	6.04 2.02 5.01	6.62 4.19 5.82	8.72 8.08 5.94	6.89 7.40 4.80	6.64 6.38 5.46	2.93 1.07 3.72		4.22	53.95 61.58 46.56 54.30 52.63	(87) (94) (82) (10) (78)	1 1 1 1
omatee, Bradentom 5 ESE arios, Ocala artis, Stuart 1 E oeroe, Tavernier assaw, Permandina Beach		9/50	8.00 6.50 8.51	6//65 9//50 4//37 10/30/62 11/01/69	2.38 2.43 2.00	3.01 2.52 1.92	3.55 3.46 1.87	3.04 2.83 2.28	4.48 4.37	7.30 7.16 6.61	\$.40 6.55 4.75	7.82 6.19	7.45	3.27 7.48 0.35	1.75 2.17	2.05	56.35 53.95 55.99 48.89 52.88	(14) (45) (43) (42) (82)	1 1 1 1 1
belesse, Micaville Meschoben, Obsechoben Mrcm Gete 6		== {				4.47 2.10		4.91 2.71		6.18 7.61					3.40 1.75		64.14 47,44	(52) (54)	1
gange, Orlando VSO McCoy wczole, Kissiwoce 2 olm Bench, Bolle Glado Exp Sta	19.57 17.13 19.50	6/43		9//45 10//99 10/02/51	1.91	2.44	4.03	3.34	? 61	1.75	4.03	6.13	7.25	3.97	1 4	3.90	51.21 52.80 58.75	(3) (70) (34)	1
noce, Seint Les inelles, Terpon Spyn Sewage Pl	19.08 20.76			4/13/53 7/29/60													56.59 53.67	(84) (88)	1
ulk, Lakeland 3 EE vinem, Peletke 4. Johns, St. Augustine	15,67 21.60		1.56	6//45 10//51 9/18/63	2.54	3.42	4.05	3.00	3.32	4.49	7.74	7.56	7.58	4.11	1.85		49.43 54.84 52.38	(63) (53) (32)]]
t. Lucis, Fart Plarce osta Rosa, Hilton Exp Sta erasota, Sarasota muisola, Samford Exp Sta umter, Duahonll 2 E		9/63	6.62 6.90];	3 . 85 2 . 24 2 . 31	4.16 2.65 2.84	5.81 3.53 3.90	6.43 3.57 2.49	3 81 2,86 2,83	6.99 5.11 7.19	\$.52 \$.03 \$.35	4.91 8.60 6.99	8.40 9.96 7.76	3.02 3.92 4.56	3.57 7.17 1.75	5.30 2.51 2.15	54.91 64.77 55.13 53.37 53.74	(76) (12) (13) (23) (42)	1 1
messaco, Live Ook 2 ESE sploc, Porry ^E sina, Baiford St Prison slusis, Deytans Bck VSO APE sbuilo, St. Morke 5 ESE	19.89 28.55			[3	1.45 1.48 1.05	3.56 3.40 2.92	4.20 3.37 3.37		3.74 3.84 2.65	6.46 6.38 6.60	9 55 7 64 6 69	7.43 6.82 6.84	6.46 5.39 7.10	2.44 3.41 5.52	3.65 1.63 2.13	2.20 3.21 1.36	53.49 55.32 50.85 50.22 55.12	(1) (7) (58) (65) (51)	12 12 13 14
siton, Defunish Aprings schington, Chipley 3 K	16.14.1 16.43.1			6/02/60													66 12 55.83	(40)	19

I formal rainfall. -- Climatelegical normals are usually based on 30 years of record for periods 1931 through 1960, or 1941 through 1970, or earlier period. Normals are not available for a few stations with 30 or more years of record through 1970 (as indicated by number of years of record through 1978).

Average raisfold..-Long-term means (overages) are used in place of mermals for veried periods of record of loss than 30 years. Average have been computed only through 1960 for some selected stations (so meted by ending year), even though stations way be currently in operation.

**U.S. Department of Agriculture, 1941.

[Hodified from Learly, 1978b]

							1140 1164	Mara. 17	/ 80							
	Popul	tion (these				thousands)	Voter w	ithdrawn	(liga1/d)		Vete	g deliver	ed (Mga	1/d) by i		
County	Total	Municipel	Rutal	Ground	Surface Vater	All Vater	Ground	Burlace water	Total		Public supply	Agric- ulture	ledu- stry	Com- ercial	Air	Veter consumed (Hgs1/d)
Alachus Baker Bay Bradford Bravard	130.4 12.3 91.6 16.3 252.0	46.3 4.0 63.3 6.7 157.1	44.5 8.3 26.3 3.6 94.9	90.7 4.1 17.7 9.3 134.9	0.0 0.0 65.0 0.0 90.0	90.7 4.1 82.7 8.3 224.9	14.90 0.56 1.95 0.83	0.0 0.0 32.59 0.0 8.90	14.70 0.54 34.54 0.03 ¹ 27.12	164 132 418 100 121	14.90 0.46 7.84 0.67 27.12	0.0 0.0 0.0 0.0	0.0 0.0 25.56 0.0 8.0	0.0 0.04 1.14 0.16	0.0 0.0 0.0 0.0	5.82 0.49 12.49 0.0 8.85
Broward Calhoum Charlotte Citrus Clay	876.3 8.3 42.2 35.3 47.7	730.8 3.0 6.1 5.7 16.7	145.5 5.3 36.1 27.6 31.0	#12.0 3.0 1.7 5.5 27.7	0.0 0.0 30.3 0.0	412.0 3.0 32.0 3.5 39.7	\$39178 0.28 0.18 0.59 5.01	0.0 0.0 3.90 0.0	139.70 0.28 4.08 0.59 5.01	172 93 128 107 169	102.66 0.21 3.63 0.60 4.65	20.71 0.0 0.0 0.0 0.0	5.12 0.0 0.0 0.0 6.06	6.70 0.07 0.45 0.19 0.22	2.5# 0.0 0.0 0.0 0.0	#0.91 0.05 2.35 0.14 0.#1
Collier Columbia Dade DeSote Dixie	62.7 28.8 81,638.0 18.2 6.6	17.7 11.5 803.5 6.1 2.5	45.0 17.3 834.5 12.1 4.1	52.4 15.9 1,546.4 7.0 3.8	6.0 0.0 0.0 0.0	52.4 15.9 2,346.4 7.0 3.8	11,93 1,70 9264,53 0,76 0,42	0.0 0.0 0.0 0.0	11.93 1.70 9264.55 0.76 0.42	228 107 171 109 111	7.35 1.04 221.28 0.68 0.40	2.28 0.0 0.0 0.0	0.10 0.17 12.44 0.05 0.0	0.10 0.41 20.96 0.03 0.02	0.10 0.08 9.87 0.0 0.0	7 . 43 0 . 67 155 . 89 0 . 38 0 . 07
Duval Ercambia Flagier Franklin Godadan	\$78.3 224.9 6.6 7.9 39.1	578.3 67.2 3.5 4.3 10.6	9.0 157.7 3.1 3.6 20.5	523.7 192.1 6.0 6.7 8.5	8.0 0.0 0.0 0.0	\$23.7 192.1 6.0 6.7 19.4	95.42 27.40 0.62 0.99 0.96	0.0 0.0 0.0 0.0	93.42 27.80 0.62 0.99 2.14	182 145 103 148 110	69.46 19.43 0.62 0.72 1.97	0.0 0.06 0.0 0.0	7.54 0.0 0.0 0.06 0.9	13.20 8.31 0.0 0.72 0.17	5.22 0.0 0.0 0.0	29 90 5.51 0.26 0.69 1.09
Glichriat Gladas Gulf Equilton Rardon	5.1 5.1 10.9 8.6 18.5	1,7 1,2 6,7 3,8 7,0	3.4 3.3 4.2 4.8 11.5	1.5 1.2 1.1 5.9 6.9	0.0 0.0 4.1 0.0	1.5 1.2 6.6 5.9 6.9	0.38 0.20 0.31 0.60 1.20	0.0 0.0 0.64 0.0	0.38 0.20 0.75 0.60 1.20	253 167 314 102 174	0.38 0.18 0.47 0.53 1.20	0.0 0.0 0.0 0.0	0.0 0.0 0.26 0.02	0.0 0.02 0.01 0.05 0.0	0.0 0.0 0.0 0.0	0.09 0.04 0.15 0.13 0.20
Bendry Bernendo Bigblands Hillsberough Belmes	15.9 28.5 42.8 695.6 12.5	7.3 4.0 17.1 318.6 9.4	\$.6 23.7 25.7 287.8 9.8	3.2 5.0 74.4 53.6 4.0	6.9 0.0 9.0 350.0 0.0	10.1 5.0 24.4 403.6 4.0	0.15 0.75 4.76 47.17 0.20	1.80 0.0 0.0 52,70 0.0	1.05 0.75 4.26 459.87 0.20	203 150 175 148 50	1.42 0.75 3.84 35.14 0.14	0.0 0.0 0.0 0.0	0.63 0.0 0.05 3.61 0.03	0.0 0.0 0.36 0.80 0.03	0.0 0.0 0.0	1.43 0.19 2.50 8.53 0.14
ladian River Jectuon Jefférson Lafayetta Laka	46.3 41.1 9.4 3.1 86.7	18.1 16.3 2.5 8.8 45.8	28 · 2 26 · 9 6 · 9 2 · 3 40 · 9	18.6 16.8 3.0 1.0 50.9	0.0 0.0 0.0	18.6 16.3 3.0 1.0 50.5	6.49 1.77 0.44 0.16 9.85	0.01 0.01 0.0 0.0	4,49 1,78 0,44 0,14 9,85	241 106 147 140 195	7.81 1.30 0.38 0.08 7.09	0.0 0.02 0.0	0.28 0.16 0.0 0.9 0.36	0.40 0.31 0.04 0.03 2.39	0.0 0.01 0.0 0.03	1.79 0.75 0.14 0.03 4.00
lee leon levy Liberty Belison	156.5 133.2 15.6 3.9 14.4	58.2 96.4 7.6 9.7 5.4	98.3 44.6 8.0 3.2 9.0	112.8 101.2 7.0 1.5 7.0	35.0 0.4 0.8 0.0	147.8 108.6 7.0 1.5 7.0	1-97 15-83 0-98 9-09 1-09	6.85 0.0 0.0 0.0 0.0	16.82 15.63 0.78 0.09 1.09	114 156 140 60 156	14.60 12.76 0.98 9.07 9.74	0.0 6.0 0.03 0.03	1.08 0.0 0.0 0.0 0.0	1.14 2.87 0.0 0.01 0.05	0.0 0.0 0.0 0.0	3.44 3.89 0.23 0.02 0.67
Houstee Harien Hartin Bource Longun	123.3 93.5 47.7 55.7 29.1	45.0 5.4 10.4 30.3 10.3	78.5 87.6 36.9 25.4 18.8	0.0 37.6 23.8 43.5 5.8	80.0 0.0 0.0 12.2	80.0 37.6 23.6 55.7 5.8	0.0 6.23 5.72 7.67 2.40	18.9L 0.0 8.0 0.0	18.91 6.23 5.72 7.67 2.40	276 166 260 138 414	12,91 6,11 5,42 6,60 1,24	0.0 0.0 0.0 0.0 0.18	6.00 0.09 0.15 0.0 0.70	0.0 0.02 0.15 0.77 0.27	0.0 9.0 0.0 0.31 8.0	11.92 2.89 2.60 7.67 0.61
Maleona Meschobse Storgs Secesia Pela Baach	102.0 17.6 424.6 36.7 477.8	48.9 4.2 174.6 18.2 337.8	53.1 12.8 250.0 18.5 140.0	79.8 0.0 339.1 19.0 202.2	0.0 8.2 0.0 0.0 109.7	79.8 6.2 339.1 19.0 391.9	9.31 0.0 463.33 3.65 62.98	0.0 1.04 0.0 0.0 31.43	7,31 1.04 463.35 3.65 94,41	117 127 187 192 241	8.53 0.94 58.97 3.30 74.93	0.12 0.0 0.0 0.0 0.0	0.0 0.0 2.19 0.34 6.61	0.66 0.10 2.19 0.0 6.73	0.0 0.0 0.0 0.0 6.14	4,16 0,42 30.07 0.79 43.51
Posto Pisellas Polk Potnom St. Johna	330.2 666.6 276.0 43.3 40.2	20.6 500.6 125.9 13.6 14.3	109.6 166.2 150.1 29.9 25.8	26.3 604.6 183.8 14.9 21.2	0.0 0.0 0.0 0.0	26:3 604:6 183:0 14:9 21:2	72.76 976.97 91.23 2.58 2.67	0.0 0.0 0.0 0.0	72.36 #76.97 31.23 2.38 2.67	113 127 171 173 126	2.85 62.98 28.62 2.58 2.49	0.8 0.23 1.02 9.8 6.6	9.0 3.19 0.62 0.9 0.18	0.10 4.00 0.77 0.0	0.0 6.58 0.0 9.0 0.0	1.73 68.64 18.71 0.67 0.17
Dt. Incir Bosta Bosa Borroota Bosiaele Boster	69.1 46.9 163.2 136.4 20.6	27.1 14.7 67.7 48.9 6.1	32.0 32.2 95.3 67.3 14.5	42.5 37.9 47.0 43.1 7.3	0.0 1.0 2.9 0.0	42.5 37.7 89.7 49.1 7.3	6.14 3.40 9.33 10.45 0.61	0.0 9.0 0.10 0.0	6.14 3.40 10.31 10.43 0.61	144 90 115 166 84	5.70 2.79 7.73 9.40 0.53	0.9 9.06 9.0 9.0	0.13 0.0 0.71 0.0	0.27 0.35 0.48 0.92 0.06	0.05 0.0 1.17 0.13	2.43 1.04 2.02 3.13 0.12
America Bryler Bries Dalmeis Dahallo	18.9 14.6 10.4 212.4 8.8	8.1 8.9 2.2 137.0 0.7	10 0 6 0 8 2 75 4 0 1	9.1 10.4 1.7 147.7 4.5	0.0 0.0 0.0	7.1 10.4 1.7 141.1 4.5	1.13 1.37 0.33 25.04 0.26	0.0 0.0 0.0 0.0	1.13 1.37 0.33 25.04 0.26	124 132 324 170 54	0.86 1.03 0.20 21.22 0.26	0.03 0.0 0.0 0.0 0.0	0.04 0.0 0.30 1.76 0.6	0.21 0.30 0.05 1.83	0.04 0.04 0.0 0.25	0 67 0 34 0 27 12 07 0 06
Bilton Bobington	18.8 14.1	6.3 6.0	13.5 4.1	10.6 6.4	0.0 0.4	10.6 6.8	1.00	₩.₽ •.•	1.08 0.59	102	0.84 0.58	8.\$ 0.#	0.01 0.0	9.10	0.01 0.0	0.52
Bate total	18,645.1	4,932.1	3,753.1	6,006.1	104.6	6,612.6	784.88	160.93	1,143.41	148	123.58	24.71	BO . PO	65.62	33.00	559.97

TABLE I

EPA Hazard Ranking System Waste Characteristics Valuer
(Toxicity/Persistence Matrix)

	Ground Water and Surface Water	Air Pathway
Chemical/Compound	Pathway Values	Values
Acenapthene	9	3
Acetaldehyde	6	6
Acetic Acid	6	6
Acetone	6	6
2-Acetylaminoflourene	18	9
Aldrin	18	9
Ammonia	9	9
Amiliae	12	9
Anthracene	3.5	9
Atsonic	18	9
Arsenic Acid	13	9
Arsenic Trioxide	18	9
Ashestos	1.5	9
Barium	18	9
Benzene	12	9
Benzidine	1.8	ð
Benzoapyrene	18	9
Benzopyrene, NOS	18	9
Beryllium & Compounds		
NOS	18	9
Beryllium Dust, NOS	18	9
Bis (2-Chloroethyl)		
Ether	1 5	9
Bis (2-Ethylhexyl		
Phthalate	12	3
Bromodichloromethane	15	6
Bromoform	15	6
Bromomethane	15	9
Cadmium	18	9 9
Carbon Tetrachloride	18	9
Chlordane	18	9
Chlorobenzene	12	б
Chloroform	18	6
3-Chlorophenol	12	6
4-Chlorophenol	1 5	9
2-Chlorophenol	12	- 6
Chromium	18	9
Chromium, Hexavalent		
(Cr ⁺⁵)	18	9

Table I (cont.)

Chemical/Compound	Ground Water and Surface Water Pathway Values	Air Pathway Values
Shromium, Trivalent	. 0	_
(Cr^{+3})	15	6
Copper & Compounds, NOS	18	9
Creosote	15	6
Cresols	9	6
4-Cresol	12	9
Gupric chloride	18	9
Gyanides (soluble	20	,
salts), NoS	1.2	è
Cyrlohexane	12	6
of the contract of the contrac	.d. 44	v
DDE	18	9
DDI	18	9
Diaminotoluene	18	6
Dibromochloromethane	15	6
1, 2-Dibromo, 3-		
chloropropane	18	9
Di-N-Butyl-Phthalate	18	Ú
l, 4-Dichlorobenzene	15	6
Dichlorobenzene, NOS	18	6
1, 1-Dichlorsethane	12	6
1, 2-Dichloroethane	12	9
1, 1-Dichloroethene	15	9
1, 2-cis-Dichloro-	17	3
ethylene 1, 2-trans-Dichloro-	12	J
ethylene	12	3
Dichloroethylene, NOS	12	3
2, 4-Dichlorophenol	18	G
2, 4-Dichlorophenoxyacetic		
Acid	18	9
Dicyclopentadiene	18	9
Dieldrin	18	9
2, 4-Dimitrotoluene	15	9
Dioxin	18	9
Endosulfan	18	9
Endrin	18	9
Ethylbunzene	9	6
Ethylene Dibromide	18	9
Ethylene Glycol	9	6
Ethyl Other	15	3
Ethylmethacrylate	12	G

Table I (cont.)

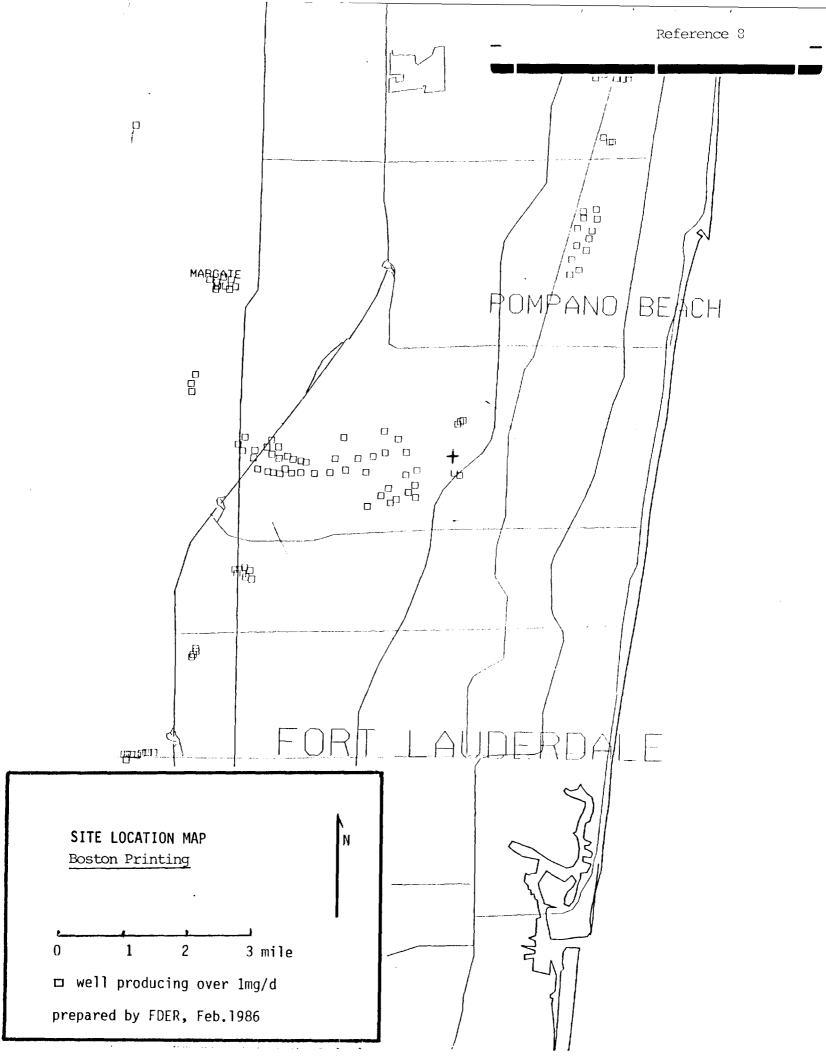
Chemical/Compound	Ground Water and Surface Water Pathway Values	Air Pathway Values
Fluorine	18	9
Formaldehyde	9	9
Formic Acid	9	6
Heptachlor	18	9
Haxachlorobenzene	15	6
Hemachlorobutadiene	18	9
Hazachlorocyclohexane,	_	_
NOS	18	9
Hexachlorocyclopentadiene	18	9
Hydrochloric Acid	9	6
Hydrogen Sulfide	18	9
Indene	12	6
Iron & Compounds, NOS	18	9
Isophorone	12	6
Isopropyl Ether	9	3
Kelthane	15	6
Керопе	1.8	9
Leai	18	9
Lindane	18	9
Magnesium & Compounds,		
Nos	15	6
Manganese & Compounds,		
NOS	18	9
Mercury	18	9
Mercury Chloride	18	9
Methoxychlor	15	6
4, 4-Methylene-Bis-(2-		
Chloroaniline)	18	9
Methylene Chloride	12	6
Methyl Ethyl Ketone	6	6
Methyl Isobutyl Ketone	12	6
4-Methyl-2-Nitroaniline	12	9
Methyl Parathion	9	9
2-Methylpyridine	12	6 9
Mirex	18	3

Table I (cont.)

Unemical/Compound	Ground Water and Surface Water Pathway Values	Air Pathway Values
Naphthalene Nickel & Compounds, NOS Mitric Acid Mitrogniline, NOS Mitrogen Compounds, NOS Mitroguanidine	9 18 9 18 1.2 12	6 9 9 9 0 9
Nitrophenol, NOS n=Nitrophenol o=Nitrophenol p=Nitrophenol Nitrosodiphenylamine	15 15 12 15 12	9
Parathion Pantachlorophenol (PCP) Festicidas, NOS	9 18 13	9 9 9
Phononthrone Phonon Phospone	15 12 9	9 9 9
Polybrominated Biphenyl (PBB), NOS Polychlorinated Biphenyls (PCS), NOS	18 13	9
Fotassiwa Chromate	18	9
Radium & Compounds, NCS Radon & Compounds, NOS RDX (Cyclonite)	18 15 15	9 9
2, 4-D, Salts & Esters Selenium Sevin (Carbaryl) Sodium Cyanide	18 15 18 12	9 9 9
Styrene Sulfate Sulfuric Acid	9 9 9	9 6 0 9
2, 4, 5-T 1, 1, 2, 2-Tetrachloro-	18	9
ethane Tetrachlosoethane, NOS 1, 1, 2, 2-Tetrachloro-	1.8 1.8	9 9
othere	1.2	6

Table I (cont.)

Chemical/Compound	Ground Water and Surface Water Pathway Values	Air Pathway Values
Tetraethyl Lead	18	9
Tetrahydrofuran	15	6
Thorium & Compounds, NOS	18	9
Toluene	9	6
TNT	12	
Toxaphene	18	9
Tribromomethane	18	9
1, 2, 4-Trichlorobenzene	15	6
1, 3, 5-Trichlorobenzene	15	6
1, 1, 1-Trichloroethane	_12 _	6
1, 1, 2-Trichloroethane	15	6
Trichloroethane, NOS	15	6
Trichloroethene	(12)	6
1, 1, 1-Trichloropropane	12	6
1, 1, 2-Trichloropropane	12	6
1, 2, 2-Trichloropropane	12	6
1, 2, 3-Trichloropropane	15	9
Uranium & Compounds, NOS	18	9
Varsol	12	6
Vinyl Chloride	15	9
Xylene	9	6
Zinc & Compounds, NOS	18	9
Zinc Cyanide	18	9



THE TWENT IN HER HOLD THE

Dangerous Properties of Industrial Materials

Sixth Edition

N. IRVING SAX

Assisted by:

Benjamin Feiner/Joseph J. Fitzgerald/Thomas J. Haley/Elizabeth K. Weisburger

TOXICITY DATA:

AL: Kg CODEN:

orl-rat LD50:384 mg/kg ipr-mus LD50:376 mg/kg

TXAPA9 18,185,71 TXAPA9 18,185,71

THR: HIGH oral and ipr.

Disaster Hazard: When heated to decomp it emits very tox fumes of Cl⁻ and NO_x.

3

BENZSULFOHYDROXAMIC ACID

CAS RN: 599713

NIOSH #: MX 9350000

TOXICITY DATA: scu-mus LDLo: 1000 mg/kg

CODEN:

AIPTAK 12,447,04

Reported in EPA TSCA Inventory, 1980.

THR: MOD scu.

Disaster Hazard: When heated to decomp it emits tox fumes of SO_x and NO_x .

2

BENZVALEN

mf: C₆H₆; mw: 78.11

Explosion Hazard: When scratched it will explode violently. It may be handled safely in an ether soln.

(3-(N-BENZYLACETAMIDO)-2,4,6-TRIIODOPHENYL)ACETIC ACID

CAS RN: 29193359

NIOSH #: AF 4950000

mf: $C_{17}H_{14}I_3NO_3$; mw: 661.02

TOXICITY DATA: orl-mus LD50:1550 mg/kg

CODEN:

ivn-mus LD50:1550 mg/kg

JMCMAR 13,559,70 JMCMAR 13,559,70

THR: HIGH ivn; MOD orl.

Disaster Hazard: When heated to decomp it emits very tox fumes of NO_x and I⁻.

3-2

BENZYL ACETATE

CAS RN: 140114

NIOSH #: AF 5075000

mf: C₉H₁₀O₂; mw: 150.19

Liquid. mp: -51.5°, bp: 213.5°, flash p: 216°F (CC), d: 1.06, autoign. temp.: 862°F, vap. press: 1 mm @ 45°, vap. d: 5.1.

3-2-1

SYNS:

ACETIC ACID BENZYL ESTER
ACETIC ACID PHENYLMETHYL ES-

ALPHA-ACETOXYTOLUENE BENZYL ETHANOATE

TER

NCI-C06508

TOXICITY DATA: 3 ihl-hmn TCLo:50 ppm:IRR orl-rat LD50:2490 mg/kg ihl-mus LCLo:1300 mg/m3/22H

CODEN: TGNCDL 2,31,61 FCTXAV 2,327,64 AGGHAR 5,1,33 AMIHAB 21,28,60 JPETAB 84,358,45 JPETAB 84,358,45

ihl-cat LC50:245 ppm/8H skn-cat LDLo:10 gm/kg orl-rbt LD50:2640 mg/kg scu-rbt LDLo:3000 mg/kg scu-gpg LDLo:3000 mg/kg

AGGHAR 5,1,33 AGGHAR 5,1,33

Currently Tested by NTP for Carcinogenesis by Standard Bioassay Protocol as of December 1980. Reported in EPA TSCA Inventory, 1980. EPA TSCA

8(a) Preliminary Assessment Information Proposed Rule FERREAC 45,13646,80.

THR: A hmn IRR via ihl. HIGH ihl. MOD orl, scu. LOW skn. See also esters.

Fire Hazard: Slight, when exposed to heat or flame; can react with oxidizing materials.

Spont Heating: No.

To Fight Fire: Alcohol foam, CO2.

Disaster Hazard: When heated to decomp it emits acrid smoke and irr fumes.

BENZYLOXY ACETYLENE

mf: C₉H₈O; mw: 132.16

Explosion Hazard: If heated above 60° in vacuo it explodes.

BENZYL ALCOHOL

NIOSH #: DN 3150000

mf: C₇H₈O; mw: 108.15

Found in Jasmine, Hyacinth, Ylang-Ylang Oils and at least two dozen other essential oils (FCTXAV 11,-1011,73).

Water white liquid, faint aromatic odor. mp: -15.3°, bp: 205.7°, flash p: 213°F (CC), d: 1.050 @ 15°/15°, autoign. temp.: 817°F, vap. press: 1 mm @ 58.0°, vap. d: 3.72.

SYNS:

BENZAL ALCOHOL BENZENECARBINOL BENZENEMETHANOL BENZOYL ALCOHOL ALPHA-HYDROXYTOLUENE NCI-C06111 PHENOLCARBINOL
PHENYLCARBINOL
PHENYLMETHANOL
PHENYLMETHYL ALCOHOL
ALPHA-TOLUENOL

TOXICITY DATA: skn-rbt 10 mg/24H MLD eye-rbt 750 ug SEV

skn-pig 500 mg/24H MOD orl-rat LD50:1230 mg/kg ihl-rat LC50:1000 ppm/8H ipr-rat LDLo: 400 mg/kg scu-rat LDLo:1700 mg/kg ivn-rat LD50:64 mg/kg orl-mus LD50:1580 mg/kg ivn-mus LD50:480 mg/kg ivn-dog LDLo:50 mg/kg par-dog LDLo:9 mg/kg skn-cat LDLo: 10 gm/kg ivn-cat LDLo:60 mg/kg orl-rbt LD50:1040 mg/kg skn-rbt LD50:2000 mg/kg ipr-gpg LDLo:400 mg/kg orl-bwd LD50:100 mg/kg

3-2 CODEN: AMIHBC 4,119,51 AMIHBC 4,119,51 FCTXAV 11,1011,73 FCTXAV 2,327,64 AMIHBC 4,119,51 14CYAT 2.1409.63 RMSRA6 15,561,1895 TXAPA9 18,60,71 FCTXAV 2,327,64 TXAPA9 18,60,71 TXAPA9 18.60.71 TXAPA9 25,153,73 JPETAB 84,358,45 JPETAB 16,1,20 JPETAB 84,358,45 NPIRI* 1,6,74 14CYAT 2,1409,63 TXAPA9 21,315,72

Aquatic Toxicity Rating: TLm96:1000-100 ppm WQCHM* 4,-,74. Toxicology Review: 27ZTAP 3,-23,69. Currently Tested by NTP for Carcinogenesis by Standard Bioassay Protocol as of December 1980. Reported in EPA TSCA Inventory, 1980.

THR: MOD to HIGH oral depending upon species; MOD inhal. Skn, eye irr.

Fire Hazard: Slight, when exposed to heat or flame; can react with oxidizing materials and acids.

Spont Heating: No.

!OPEROXYCYCLOHEX-3-ENE

1: 4096337

NIOSH #: GW 6250000

10O2; mw: 114.16

YDROPEROXY-3-CYCLOHEXENE

TY DATA:

CODEN:

DLo:6960 mg/kg/58W-

JNCIAM 35,707,65

D:8880 mg/kg/74W-

14JTAF -,275,64

n exper NEO, ETA.

Hazard: When heated to decomp it emits acrid and fumes.

DROPEROXY-1'-OHEXYLPEROXY)-CYCLOHEXANOL

.22O5; mw: 246.31

Bis-hydroxy peroxide; hazardous.

Hazard: When heated to decomp it emits acrid and fumes.

OPEROXY-1-VINYLCYCLOHEX-3-ENE

: 3736263

NIOSH #: GW 6260000

₂O₂; mw: 140.20

YDROPEROXY-4-VINYL-1-CYCLOHEXENE

ΓY DATA:

CODEN: 14JTAF -,275,64

)Lo:1440 mg/kg/24W-

D:1440 mg/kg/24W-

JNCIAM 31,41,63

a exper NEO, ETA.

Hazard: When heated to decomp it emits acrid

and fumes.

PHIS CYANOCINTUS (MALAYA) VENOM

NIOSH #: YX 4184700

10M, SEA SNAKE, HYDROPHIS CYANOCINTUS (MALAYA)

ΓY DATA:

CODEN:

150:240 ug/kg

85EGD4 5,357,78

)50:350 ug/kg

85EGD4 5,357,78

(GH ipr, ivn.

PHIS ELEGANS (AUSTRALIA) VENOM

NIOSH #: YX 4184900

IOM, SEA SNAKE, HYDROPHIS ELEGANS (AUSTRALIA)

IY DATA:

CODEN:

150:120 ug/kg

85EGD4 5,357,78

)50:120 ug/kg

85EGD4 5,357,78

GH ivn, ims.

QUINIDINE

: 1435558

NIOSH #: MX 3016000

26N2O2; mw: 326.48

Plates from ether, needles from alc; mp: 169°; very sol in hot alc; slightly sol in H₂O and ether.

TOXICITY DATA: orl-rat LD50:369 mg/kg

ivn-rat LD50:32 mg/kg

CODEN:

ARZNAD 27,589,77 ARZNAD 27,589,77 JETOAS 8(3),188,75

ivn-mus LD50:76 mg/kg THR: HIGH orl, ivn.

Disaster Hazard: When heated to decomp it emits tox fumes of NOr.

HYDROQUINONE

CAS RN: 123319

NIOSH #: MX 3500000

1,4-DIIDROBENZENE (ITALIAN)

HYDROCHINON (CZECH, POLISH)

P-DIOXOBENZENE

P-HYDROQUINONE

P-HYDROXYPHENOL

ALPHA-HYDROQUINONE

IDROCHINONE (ITALIAN)

HYDROOUINOL

NCI-C55834

BETA-QUINOL

USAF EK-356

mf: C₆H₆O₂; mw: 110.12

Colorless hexagonal prisms. mp: 170.5°, bp: 286.2°, flash p: 329°F (CC), d: 1.358 @ 20°/4°, autoign. temp.: 960°F (CC), vap. press: 1 mm @ 132.4°, vap. d: 3.81. Very sol in alc, ether. Slightly sol in benzene. Keep well closed and protected from light.

SYNS:

ARCTUVIN P-RENZENEDIOL

1,4-BENZENEDIOL

BENZOHYDROQUINONE

BENZOQUINOL 1,4-DIHYDROXY-BENZEEN

(DUTCH)

1,4-DIHYDROXYBENZEN (CZECH) DIHYDROXYBENZENE

P-DIHYDROXYBENZENE 1,4-DIHYDROXYBENZENE

TOXICITY DATA:

unk-rat LD50:720 mg/kg

skn-hmn 2% MLD

mmo-sat 400 uL/plate

sce-hmn:lym 40 umol/L orl-hmn LDLo:29 mg/kg

orl-rat LD50:320 mg/kg

ipr-rat LD50:170 mg/kg

scu-rat LDLo: 300 mg/kg

ivn-rat LD50:115 mg/kg

orl-mus LD50:350 mg/kg

ipr-mus LD50:100 mg/kg

scu-mus LD50:190 mg/kg

unk-mus LD50:150 mg/kg

orl-dog LD50:200 mg/kg

ivn-dog LDLo:80 mg/kg

orl-cat LD50:70 mg/kg

scu-cat LDLo:50 mg/kg

orl-rbt LDLo:550 mg/kg

ipr-rbt LD50:125 mg/kg

orl-gpg LD50:550 mg/kg

ipr-gpg LDLo: 200 mg/kg

scu-gpg LDLo: 300 mg/kg

orl-pgn LD50:300 mg/kg

scu-frg LDLo: 190 mg/kg

par-frg LDLo: 190 mg/kg

skn-hmn 5% SEV

orl-mam LD50:480 mg/kg

1,4-DIHYDROXY-BENZOL (GER-MAN)

CODEN: 3 GTPPAF 8,145,72

TPKVAL 15,136,79 ARDEAC 93,589,66 ARDEAC 93,589,66 BECTA6 24,590,80

CNREA8 40,1189,80 34ZIAG -,321,69 FEPRA7 8,348,49

JIHTAB 31,79,49 HBTXAC 1,162,56 FEPRA7 8,348,49

GTPZAB 22(9),35,78 NTIS** AD414-344 INHEAO 5,143,67

BJCAAI 6,160,52 FEPRA7 8,348,49

HBTXAC 1,162,56 FEPRA7 8,348,49 **AEXPBL 72,241,13**

HBTXAC 1,162,56 JIHTAB 31.79.49 FEPRA7 8,348,49

HBTXAC 1,162,56 HBTXAC 1,162,56 FEPRA7 8,348,49

HBTXAC 1,160,56 AEPPAE 166,437,32

Carcinogenic Determination: Indefinite IARC** 15, 155.77.

TLV: Air: 2 mg/m3 DTLVS* 4,226,80. Toxicology Review: AEHLAU 23,6,71; MUREAV 47(2),75,78.

POTASSIUM HEXAOXYXENONATE(4-)-XENON TRIOXIDE

mf: K₄O₆Xe·2O₃Xe; mw: 611.02

THR: No tox data. Sensitive to shock; explodes violently. Disaster Hazard: When heated to decomp it emits tox fumes of K₂O.

POTASSIUM HYDRIDE

mf: HK; mw: 40.11

White needles, mp; decomp; d: 1.43-1.47

THR: See potassium and hydrides.

Fire Hazard: Dangerous, by chemical reaction. See potas-

Explosion Hazard: Mod, when exposed to heat or by chemical reaction.

Disaster Hazard: Dangerous; when heated to decomp it emits highly tox fumes of K_rO. Will react with water, steam or acids to produce H₂; can react vigorously with oxidizing materials.

To Fight Fire: CO₂, dry chemical.

Incomp: Air, Cl₂, F₂, acetic acid, acrolein, acrylonitrile, $(CaC + Cl_2)$, ClO_2 , $(H_2O_2 + Cl_2)$, $(CHFl_3 + CH_3OH)$, 1,2-dichloroethylene, maleic anhydride, (n-methyl-nnitrosourea + CH₂Cl₂), nitroethane, NCl₃, nitromethane, nitroparaffins, o-nitrophenol, nitropropane, n-nitrosomethylurea, (nitrosomethylurea + CH₂Cl₂), H₂O, trichloroethylene, tetrahydrofuran, tetrachlorethane.

POTASSIUM HYDROXIDE

CAS RN: 1310583 NIOSH #: TT 2100000

mf: HKO; mw: 56.11

White, deliques pieces, lumps or sticks having crystalline fracture. mp: 360° ± 7°; bp: 1320°; d: 2.044. Violent, exothermic reaction with water.

SYNS:

CAUSTIC POTASH POTASSA HYDROXYDE DE POTASSIUM POTASSE CAUSTIQUE (FRENCH) (FRENCH) POTASSIO (IDROSSIDO DI) (ITAL-KALIUMHYDROXID (GERMAN) IAN) KALIUMHYDROXYDE (DUTCH) POTASSIUM HYDRATE

LYE

TOXICITY DATA: 3 CODEN: GANNA 254,155,63 hma-rat/ast 1800 mg/kg TXAPA9 31,481,75 skn-hmn 50 mg/24H SEV TXAPA9 31,481,75 skn-rbt 50 mg/24H SEV skn-gpg 50 mg/24H SEV TXAPA9 31,481,75 TXAPA9 32,239,75 orl-rat LD50:365 mg/kg

Aquatic Toxicity Rating: TLm96: 100-10 ppm WQCHM* 4,-,74.

TLV: Air: 2 mg/m3 DTLVS* 4,345,80. Toxicology Review: ARTODN 39,299,78. DOT: Corrosive Material, Label: Corrosive FEREAC 41,57018,76. Reported in EPA TSCA Inventory, 1980.

THR: HIGH orl. Hmn skn irr. An exper skn irr. A poison. Very corr and irr to skn, eyes and mu mem. A general-purpose food additive. See also sodium hydroxide. Ingestion may cause violent pain in throat and epigastrium, hematemesis, collapse. Stricture of esophagus may result if not immediately fatal.

Incomp: Acids; ammonium hexachloroplatinate (2-); chlorine dioxide; germanium; hyponitrous acid; maleic anhydride; nitroalkanes; nitrobenzene; nitrogen trichloride; potassium peroxodisulphate; 2,2,3,3-tetrafluoropropanol; tetrahydrofuran; thorium dicarbide; 2,4,6trinitrotoluene.

POTASSIUM HYDROXIDE (soln)

CAS RN: 1310583 NIOSH #: TT 2102000

mf: HKO; mw: 56.11

SYN: POTASSIUM HYDRATE (SOLN)

TOXICITY DATA: CODEN: skn-rbt 5 mg/24H MOD TXAPA9 32,239,75 eye-rbt 1 mg/24H rns MOD TXAPA9 32,239,75

DOT: Corrosive Material, Label: Corrosive FEREAC 41,57018,76. Reported in EPA TSCA Inventory, 1980. THR: A very powerful skn, eye irr. See also potassium hydroxide and sodium hydroxide.

POTASSIUM HYPOCHLORITE (SOLUTION)

CAS RN: 7778667 NIOSH #: TT 2825000

mf: KOCl: mw: 90.55

SYN: HYPOCHLORITE SOLUTION (DOT)

TOXICITY DATA:

DOT: Corrosive Material, Label: Corrosive FEREAC 41,57018,76. Reported in EPA TSCA Inventory, 1980. THR: HIGH tox all routes. Powerful irr and corrosive to skn, eyes and mu mem. See also hypochlorites. Disaster Hazard: When heated to decomp it emits tox

fumes of Cl-.

POTASSIUM IODATE

CAS RN: 7758056 NIOSH #: NN 1350000

mf: 10₃·K; mw: 214.00

Colorless crystals. mp: 560°, d: 3.89. Insol in alc.

SYN: IODIC ACID, POTASSIUM SALT

CODEN: TOXICITY DATA:

JPETAB 120,171,57 orl-mus LDLo:531 mg/kg JPETAB 120,171,57 ipr-mus LD50:136 mg/kg FAONAU 40,113,67 orl-gpg LDLo:400 mg/kg

Toxicology Review: 27ZTAP 3,81,69. Reported in EPA TSCA Inventory, 1980.

THR: HIGH via ipr; MOD via orl routes. A trace mineral added to animal feeds. Violent reaction with Al, As, C. Cu. metal sulfides, organic matter, P, S. See also iodates, oxidizeable matter.

Disaster Hazard: When heated to decomp it emits very tox fumes of I- and K2O.

POTASSIUM IODIDE

NIOSH #: TT 2975000 CAS RN: 7681110

mf: IK; mw: 166.00

SYNS:

SILICON TETRACHLORIDE

TETRACHLOROSILANE

TOXICITY DATA:

2 CODEN:

ihl-rat LC50:8000 ppm/4H JIHTAB 31,343,49

Aquatic Toxicity Rating: TLm96:1000-100 ppm WQCHM* 4,-,74. DOT: Corrosive Material, Label: Corrosive FEREAC 41,57018,76. Reported in EPA TSCA Inventory, 1980. EPA TSCA 8(a) Preliminary Assessment Information Proposed Rule FERREAC 45,13646,80.

SKIN AND EYE IRRITATION

DATA: skn-rbt 500 mg/24H SEV eye-rbt 20 mg/24H SEV

CODEN:

28ZPAK -,14,72 28ZPAK -,14,72

THR: SEV skn, eye irr. MOD ihl. Decomp by water with much heat into silicic acid and HCl.

Disaster Hazard: Dangerous; when heated to decomp it emits highly tox fumes of HCl; will react with water or steam to produce heat and tox and corrosive fumes. Incomp: Dimethyl sulfoxide, K, Na.

SILICON FLUORIDE

CAS RN: 7783611

NIOSH #: VW 2327000

mf: F₄Si; mw: 104.09

Colorless gas, very pungent odor; mp: -77°; bp: -65° @ 181 mm; d: 4.67.

TOXICITY DATA: CODEN:

DOT: Nonflammable Gas, Label: Nonflammable Gas FEREAC 41,57018,76. Reported in EPA TSCA Inventory, 1980.

THR: No data. See also fluorides and hydrofluoric acid. Very irr to skn, eyes and mu mem.

Disaster Hazard: When heated to decomp it emits tox fumes of F-.

SILICON OXIDE

mf: OSi; mw: 44.09

THR: No tox data. Explodes spontaneously in air.

SILICON TETRAAZIDE

mf: N₁₂Si; mw: 196.17

THR: No tox data. See also azides. Has exploded spont. Disaster Hazard: When heated to decomp it emits tox fumes of NO_x.

SILK

NIOSH #: VW 2700000

TOXICITY DATA: 3 imp-rat TDLo:36 mg/kg:ETA

CODEN:

CNREA8 15,333,55

THR: An exper ETA. In the form of dust it is an allergen and a nuisance dust. A MOD fire hazard and expl

Disaster Hazard: When heated to decomp it emits acrid smoke and fumes.

SILVER

CAS RN: 7440224

NIOSH #: VW 3500000

af: Ag; aw: 107.87

Soft, ductile, malleable, lustrous, white metal. mp: 961.93°, bp: 2212°, d: 10.50 @ 20°.

SYNS:

ARGENTUM C.I. 77820 SHELL SILVER

SILBER (GERMAN) SILVER ATOM

CODEN: TOXICITY DATA: 3

ZEKBAI 63,586,60 mul-rat TDLo:330 mg/kg/43W-I TFX:ETA

imp-rat TDLo: 2400 mg/kg TFX: ETA imp-mus TDLo:11 gm/kg TFX:ETA

CNREA8 16.439.56 NATWAY 42,75,55 NATWAY 42,75,55

imp-rat TD:2570 mg/kg TFX:ETA ihl-hmn TCLo:1 mg/m3 TFX:SKN

DTLVS* 3,231,71 TLV: Air: 0.1 mg/m3 DTLVS* 4,367,80. Toxicology Review: FOREAE 7,313,42; MIBUBI 9(4),321,75;

PTPAD4 1,127,76; AJMEAZ 38,409,65; PEXTAR 12,102,69. OSHA Standard: Air: TWA 10 ug/m3 (SCP-N) FEREAC 39,23540,74. Reported in EPA TSCA Inventory, 1980.

THR: An exper ETA. A hmn SKN. See also silver com-

Fire Hazard: Mod, in the form of dust, when exposed to flame or by chemical reaction with C₂H₂, NH₃, bromoazide, ClF₃, ethylene imine, H₂O₂, oxalic acid, H₂SO₄, tartaric acid. See also powdered metals.

For further information see Vol. 1, No. 1 of *DPIM Report*.

SILVER ACETYLIDE

mf: C₂HAg; mw: 132.90

THR: No tox data. See also silver compounds.

Explosion Hazard: Very high.

Disaster Hazard: When heated to decomp it emits acrid smoke and fumes.

SILVER AMIDE

mf: AgH₂N; mw: 123.89

THR: No tox data. See also silver compounds. Very explosive when dry.

Disaster Hazard: When heated to decomp it emits tox fumes of NO_x.

SILVER 5-AMINOTETRAZOLIDE

mf: CH₂AgN₅; mw: 191.93

THR: No tox data. See also silver compounds. When heated it explodes.

Disaster Hazard: When heated to decomp it emits tox fumes of NO_r.

SILVER AMMONIUM COMPOUNDS

THR: See silver compounds.

Explosion Hazard: Severe, when shocked, exposed to heat or by chemical reaction.

Site Trip Summary

4807.17

Site Name: Boston Printing Address: 741 NW 57TH PLACE

Ft. Randerdale, FL 33309

On-Site Contact: Mr. Henge Stern

Reconnaissance Summary: On on site interview was

conducted with Mr. Heorge Stern on Oct 3

1935. The sampling locations were identified and

documented in field notes and photographs.

Inspectors: David hilderman and Charles Goodwin

Sampling Summary: On December 18, 1985, a groundwater

sampling spisode was conducted at Boston Printing.

Samples were collected from Jour one and one-quarien

inch screened PVC wells installed by the

sampling crew. Duplicate samples were collected

at the Gw-A location, and samples whenha

were collected prior to initiating of sampling. All

samples were collected for analysis of the following

parameters:

- · Voc
- · Semi VOC
- · Pesticides / PCBs
 - · Metals
- · Oil and trease

In situ measurements for pH, temperature, and conductivity were staken at each sample location. all samples were shipped wa Faderal Supress to the E.C. godan Company Environmental haboratory for analysis

Sampling Team Mankers: Joseph Farry (ECJ) Charles Grodwin (ECJ) Joseph McGarrity (FDER)

I. IDENTIFICATION							
	02 SITE NUMBER						
FL	2072869414						

SEPA	54574 6171	SITE INSPEC			l e. / .	DO71869414
		ELOCATION AND	INSPEC	TION INFORMA	ATION	
II. SITE NAME AND LO						
01 SITE NAME (Legel, common.					EGIFIC LOCATION IDENTIFIES	
505-01	PRINTING C	0. INC	74	1 200 8	57 " PLAC	=
		,	10001712	0321-0006	00 000111	COOK
Ft. Laws	ENDALE		FL	<u> </u>	BROWA	20 2 17
09 COORDINATES	LONGITUDE	10 TYPE OF OWNERSH			C STATE C C COUN	TY IT S MINICIPAL
2012010	285 0170.0	F. OTHER -	0 6.760		□ C. STATE □ D. COUN □ G. UNKN	OWN
III. INSPECTION INFOR						
	02 SITE STATUS	03 YEARS OF OPERAT		120-0-01	UNKNOW	
MONTH DAY YEAR	- D INACTIVE		NNING YEAR		UNKNOW	7
04 AGENCY PERFORMING IN	SPECTION (Check all their apply)					
□ A. EPA □ B. EPA	CONTRACTOR	ane of firmi	C. MU	NICIPAL 🗆 D. MI	INICIPAL CONTRACTOR	(Name of firm)
□ E. STATE / F. STAT	ECONTRACTOR = C !N	TO ROAN C	◆□ G. OTI	HER	(Specify)	
05 CHIEF INSPECTOR		06 TITLE			07 ORGANIZATION	08 TELEPHONE NO.
CAULE USE	OFFINAL	1 F1-110	1-61-0	GIET .	= C. TORK	12 TELEPHONE NO.
09 OTHER INSPECTORS	DERMAN	10 TITLE	<u></u>	0121	11 ORGANIZATION	12 TELEPHONE NO.
chuck a	5 - 1 - 2	FULLECK	JWITE	J-AL T-(()
		7 100		, ,	<u> </u>	
						1()
		 				
						()
<u></u>		 	··	·-··		
						1()
			· · · · ·			
•		Į				()
13 SITE REPRESENTATIVES I	NTERVIEWED	14 TITLE	15	ADDRESS		18 TELEPHONE NO
Pros 1	la rat	1 00		2 50m	w:-	13-1471-21-1
b 1	- C	125 01	12 2016			
GORGE :	TT NKI	2				()
O ORGI.	3131910	OWNER				
		. 				
		 				
			ŀ			
		 				
		1	ŀ			1()
		·				1, ,
17 ACCESS GAINED BY	18 TIME OF INSPECTION	19 WEATHER CONDI	TIONS			
(Check one)	TO TIME OF EATED FOR	TO WEATHER CORD	110143			j
✓ PERMISSION □ WARRANT	2-1131	F	<u>ب</u>	= =	a = 1	
IV. INFORMATION AVAI		· • · · · · · · · · · · · · · · · · · ·				
01 CONTACT		02 OF (Agency/Organize	Moni			03 TELEPHONE NO.
=1116-1111	-,-	FT=1	.			(1954) 453 21 10
GA PERSON RESPONSIBLE FO	OR SITE INSPECTION FORM	05 AGENCY	06 ORGAI	NOITASIP	07 TELEPHONE NO.	08 DATE
		17/2	= -	*C.v	3.	1 1 2
10.12 DU	1 ME 47 R	1 1,2,7	= . €	, 101ct 240	· 204 60 1 7 7 7	MONTH DAY YEAR

$\mathbf{\Omega}$	74
	74
\	

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 2 - WASTE INFORMATION

I. IDENTIFICATION

OF STATE OF SITE NUMBER

			PART 2 - WAST	E INFORMATIO	N	FL DOT	3869414	
IL WASTES	TATES, QUANTITIES, AN	D CHARACTER	ISTICS					
	STATES (Check of that apply)	02 WASTE QUANT	TTY AT SITE	03 WASTE CHARAC	TERISTICS (Check of the	I emply)		
[] A. SOUD	[] E. SLURRY	must be	of waste quantities Independent)	☐ A. TOXIC ☐ E. SOLUBLE Ø I. HIGHLY VOLATILE				
B. POWDE		B .	unknown	LE CORROSIVE DF. INFECTIOUS J. EXPLOSIVE C. RADIOACTIVE B.G. FLAMMABLE B.K. REACTIVE C.D. PERSISTENT DH. IGNITABLE B.L. INCOMPAT			TIVE	
LI D. OTHER			unknaun	X O. PERS	ISTENT H. IGNI	TABLE 72 L. INCOM		
	(Specify)	NO. OF DRUMS	ru Known	<u> </u>	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		
III. WASTE I	YPE							
CATEGORY	SUBSTANCE N	AME	01 GROSS AMOUNT	02 UNIT OF MEASUR				
SLU	SLUDGE OILY WASTE					d Silver is		
OFM			 	ļ		nd picked i	ropino-	
SOL	SOLVENTS		 	 	licensed	<u>hauter</u>		
	PESTICIDES	15141541.5						
OCC	OTHER ORGANIC CH INORGANIC CHEMIC		UNKnown	ļ	<u> </u>			
ACD	ACIDS	<u> </u>	UNKnown	 	 			
BAS	BASES		1101		 			
MES	HEAVY METALS		UNKNOWN	<u> </u>	+			
	OUS SUBSTANCES (See Ag	nends for most travest		L				
01 CATEGORY	02 SUBSTANCE NA		03 CAS NUMBER	04 STORAGE/DIS	SPOSAL METHOD	05 CONCENTRATION	08 MEASURE OF CONCENTRATION	
MES	SILVER		7440.224	DR	· · · · · · · · · · · · · · · · · · ·	unknown		
٥٥٥	U-PROPANO	م د	71-23-8	Prainfield				
٥٥٥	8-127- A		100-51-6	1	·	1		
occ	Horoguin		123-21-7					
BAS		Zai xogor	13:0-55-3	A		A		
					· .			
				check.	to verify nese			
				that H	nese			
				Chemic	als are			
					red to a			
				drainfre				
				t in the second			<u> </u>	
							ļ	
							<u> </u>	
_								
V. FEEDSTO	CKS (See Appendix for CAS Number	a) N/A						
CATEGORY	01 FEEDSTOCK	NAME	02 CAS NUMBER	CATEGORY	O1 FEEDST	OCK NAME	02 CAS NUMBER	
FDS				FDS				
FDS				FDS				
FOS		70-21-2		FDS				
FDS				FDS				
	OF INFORMATION (Cite as							
E.C. Jor See 0	dan Co. Eite litached refe	inspecti erence	on, 10/1/1. list.	25			,	
							•	

\$EPA

POTENTIAL HAZARDOUS WASTE SITE SITE SITE INSPECTION REPORT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

FL DO7 38 69414

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

IL HAZARDOUS CONDITIONS AND INCIDENTS			
01 A. GROUNDWATER CONTAMINATION	02 G OBSERVED (DATE:)	☐ POTENTIAL	☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION		
•			
01 XB. SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: 10,000+		(XPOTENTIAL	D ALLEGED
Potential leaks in the eff	luent piping system c	could lead -	to surtace
spils which in turn could	impact a pand 1500 :	southwest	of the site.
Past maifunctions of the c water an-site. No surface	trainfield system has	s coused s	s rana ag
01 C. CONTAMINATION OF AIR	02 OBSERVED (DATE:)	POTENTIAL	☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION		
Remote potential. The	volatite chemicals	at the s	ite are
contained in closed system	ns, thus, posing litt	le threat	to the
general air quality.		•	
01 JE D. FIRE/EXPLOSIVE CONDITIONS	02 OBSERVED (DATE:)	POTENTIAL.	☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 1-160	04 NARRATIVE DESCRIPTION		٥
N-proporol, which is use			
There have been no re	eports of past five	rs at the	e site.
	•		
01 X E. DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED:1-10C	02 () OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	A POTENTIAL	□ ALLEGED
Workers may come in		و ما داد	1 1 1
and toxic chemicals dux	included to the salahar	with Va	platife
and toxic Chemicals dur	ing work related	activity	rs.
and toxic Chemicals dur	ing work related	activity	rs,
ond toxic Chemicals dur on of F contamination of soil on area potentially affected:	02 (1) OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	activity	O ALLEGED
and toxic Chemicals dur	02 OBSERVED (DATE:)	activity	rs,
ond toxic Chemicals dur on of F contamination of soil on area potentially affected:	02 OBSERVED (DATE:)	activity	rs,
ond toxic Chemicals dur on of F contamination of soil on area potentially affected:	02 OBSERVED (DATE:)	activity	rs,
ond toxic Chemicals dur on of F contamination of soil on area potentially affected: (Acros)	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	activity.	ZS. □ ALLEGED
ond toxic Chemicals dur on of F contamination of soil on area potentially affected:	02 OBSERVED (DATE:)	activity	rs,
ond toxic Chemicals dur on of F contamination of soil on area potentially affected: (Aeros) on of G drinking water contamination	02 (1) OBSERVED (DATE:) 02 (1) OBSERVED (DATE:)	activity.	ZS. □ ALLEGED
ond toxic Chemicals dur on of F contamination of soil on area potentially affected: (Aeros) on of G drinking water contamination	02 (1) OBSERVED (DATE:) 02 (1) OBSERVED (DATE:)	activity.	ZS. □ ALLEGED
ond toxic Chemicals dur on of F contamination of soil on area potentially affected: (Aeros) on of G drinking water contamination	02 (1) OBSERVED (DATE:) 02 (1) OBSERVED (DATE:)	activity.	ZS. □ ALLEGED
O1 [] G. DRINKING WATER CONTAMINATION O3 POPULATION POTENTIALLY AFFECTED: O1 [] H. WORKER EXPOSURE/INJURY	02 (1) OBSERVED (DATE:) 02 (1) OBSERVED (DATE:)	activity.	ZS. □ ALLEGED
O1 [] F. CONTAMINATION OF SOIL O3 AREA POTENTIALLY AFFECTED: (Acros) O1 [] G. DRINKING WATER CONTAMINATION O3 POPULATION POTENTIALLY AFFECTED: O1 [] H. WORKER EXPOSURE/INJURY O3 WORKERS POTENTIALLY AFFECTED:	02 () OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION 02 () OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	POTENTIAL POTENTIAL	ALLEGED ALLEGED
O1 [] G. DRINKING WATER CONTAMINATION O3 POPULATION POTENTIALLY AFFECTED: O1 [] H. WORKER EXPOSURE/INJURY O3 WORKERS POTENTIALLY AFFECTED: 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	02 () OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION 02 () OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	POTENTIAL POTENTIAL	ALLEGED ALLEGED
O1 [] F. CONTAMINATION OF SOIL O3 AREA POTENTIALLY AFFECTED: (Acros) O1 [] G. DRINKING WATER CONTAMINATION O3 POPULATION POTENTIALLY AFFECTED: O1 [] H. WORKER EXPOSURE/INJURY O3 WORKERS POTENTIALLY AFFECTED:	02 () OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION 02 () OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	POTENTIAL POTENTIAL	ALLEGED ALLEGED
O1 [] G. DRINKING WATER CONTAMINATION O3 POPULATION POTENTIALLY AFFECTED: O1 [] H. WORKER EXPOSURE/INJURY	02 () OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION 02 () OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	POTENTIAL POTENTIAL	ALLEGED ALLEGED
OID F. CONTAMINATION OF SOIL O3 AREA POTENTIALLY AFFECTED: O1D G. DRINKING WATER CONTAMINATION O3 POPULATION POTENTIALLY AFFECTED: O1D H. WORKER EXPOSURE/INJURY O3 WORKERS POTENTIALLY AFFECTED: Workers May Come 2nd toxic Chemicals dur O1D I. POPULATION EXPOSURE/INJURY	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION 02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION 02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION 05 OBSERVED (DATE:) 06 OBSERVED (DATE:) 07 OBSERVED (DATE:)	POTENTIAL POTENTIAL	ALLEGED ALLEGED
OID F. CONTAMINATION OF SOIL O3 AREA POTENTIALLY AFFECTED: O1D G. DRINKING WATER CONTAMINATION O3 POPULATION POTENTIALLY AFFECTED: O1D H. WORKER EXPOSURE/INJURY O3 WORKERS POTENTIALLY AFFECTED: Workers way come and toxic chemicals dur	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION 02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION 02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION 04 NARRATIVE DESCRIPTION	POTENTIAL POTENTIAL POTENTIAL WITH VOICE	ALLEGED ALLEGED
OID F. CONTAMINATION OF SOIL O3 AREA POTENTIALLY AFFECTED: O1D G. DRINKING WATER CONTAMINATION O3 POPULATION POTENTIALLY AFFECTED: O1D H. WORKER EXPOSURE/INJURY O3 WORKERS POTENTIALLY AFFECTED: Workers May Come 2nd toxic Chemicals dur O1D I. POPULATION EXPOSURE/INJURY	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION 02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION 02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION 05 OBSERVED (DATE:) 06 OBSERVED (DATE:) 07 OBSERVED (DATE:)	POTENTIAL POTENTIAL POTENTIAL WITH VOICE	ALLEGED ALLEGED
OID F. CONTAMINATION OF SOIL O3 AREA POTENTIALLY AFFECTED: O1D G. DRINKING WATER CONTAMINATION O3 POPULATION POTENTIALLY AFFECTED: O1D H. WORKER EXPOSURE/INJURY O3 WORKERS POTENTIALLY AFFECTED: Workers May Come and toxic chemicals dur O1D I. POPULATION EXPOSURE/INJURY	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION 02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION 02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION 05 OBSERVED (DATE:) 06 OBSERVED (DATE:) 07 OBSERVED (DATE:)	POTENTIAL POTENTIAL POTENTIAL WITH VOICE	ALLEGED ALLEGED

SEPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

L IDENTIFICATION
01 STATE 02 SITE NUMBER
FL DO 73869414

IL HAZARDOUS CONDITIONS AND INCIDENTS (COMMU		
01 M J. DAMAGE TO FLORA	- 	POTENTIAL ALLEGED
04 NARRATIVE DESCRIPTION	_'	
Contact with contaminan	ts may damage plantlift	, irreve have
been no damages to the	plantlife ort-site observ	ved or reperied.
01 Ø K. DAMAGE TO FAUNA 04 NARRATIVE DESCRIPTION (Include nameral of appential	02 CI OBSERVED (DATE:) AS,I	POTENTIAL ALLEGED
	inants may injuse univ	sice the facility
is located in a comme	inants may injure will icial/industrial are wh	sich is landy
devoid of wildlife.		
0198 L. CONTAMINATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION		POTENTIAL ALLEGED
Silver, which is recov	ued at the site, is ou	sistent in the
environment and may	ued at the site, is pur affect the food chain.	1
		
01 M. UNSTABLE CONTAINMENT OF WASTES		POTENTIAL [] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 1-100	filed and standing i	water collected
on-site (6/8/84). No tests wer	ansite failed, and standing use made on the standing was	fer or soil, BCEACE
ssied an NOV on 7/12/84.		
01 □ N. DAMAGE TO OFFSITE PROPERTY 04 NARRATIVE DESCRIPTION	02 () OBSERVED (DATE:) () P	POTENTIAL ALLEGED
	- •	
Notice observed or rep	orted.	
·	•	
01 D. CONTAMINATION OF SEWERS, STORM DRAINS, V	WTPs 02 OBSERVED (DATE:) F	POTENTIAL ALLEGED
04 NARRATIVE DESCRIPTION		
None observed or rep	orted	
•		
01 [] P. ILLEGAL/UNAUTHORIZED DUMPING	02 🗆 OBSERVED (DATE:) (1) P	POTENTIAL ALLEGED
04 NARRATIVE DESCRIPTION		
None observed or rep	exted.	}
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OF	ALLEGED HAZARDS	
None Known.		
		·
III. TOTAL POPULATION POTENTIALLY AFFECTED: _	10,000+	
IV. COMMENTS		
samples of the efficient had	e been taken by ECEOCK e (9.6 mg/e) chloroform (47 mg, and no problems.	3 (2/12/05), Result
"MAmale) other samoling for	and no outprine	12) and bromedichia
	ALL TIO PLANTEINS.	
V. SOURCES OF INFORMATION (Cre specific references, e.g., str.	le files, sample enelysis, reportsi	
E.C. Jordan Co. Site inspect	100,10/1/85	
E.C. Jardan Co. site inspect See attached reference li	<i>એ</i> . ં	
		·]

U. NONE II. SITE DESCRIPTION 1 STORAGE/DISPOSAL (Check of that sophy) A. SURFACE IMPOUNDMENT B. PILES C. DRUMS, ABOVE GROUND D. TANK, ABOVE GROUND E. TANK, BELOW GROUND F. LANDFILL G. LANDFARM H. OPEN DUMP	FLD 073 267 414 MOUNT 03 UNIT OF	MEASURE 0		NUECTION	OS OTHER JACA. BUILDINGS ON SITE
Chock of that sporty) A. NPOES B. UIC C. AIR D. RCRA E. RCRA INTERIM STATUS F. SPCC PLAN G. STATE (Socchy) H. LOCAL (Socchy) J. NONE J. NONE SITE DESCRIPTION STORAGE/DISPOSAL (Chock of that sophy) O2 A A. SURFACE IMPOUNDMENT B. PILES S.	FLD 073 869 414 WOUNT OF LAND	MEASURE O	A INCENERATION B. UNDERGROUNG	d that apply) D INJECTION	O6 OTHER
B. UIC C. AIR D. RCRA E. RCRA INTERIM STATUS F. SPCC PLAN G. STATE (Society) H. LOCAL (Society) J. NONE STORAGE/DISPOSAL (Check of that copy) A. SURFACE IMPOUNDMENT B. PILES C. DRUMS, ABOVE GROUND E. TANK, ABOVE GROUND F. LANDFILL G. LANDFARM H. OPEN DUMP 1. OTHER	MOUNT 03 UNIT OF	MEASURE 0	A INCENERATION B. UNDERGROUNG	NUECTION	
C. AIR D. RCRA E. RCRA INTERIM STATUS F. SPCC PLAN G. STATE (Specify) II. OTHER (Specify) J. NONE II. SITE DESCRIPTION 1 STORAGE/DISPOSAL (Check of that soph) D. TANK, ABOVE GROUND E. TANK, ABOVE GROUND E. TANK, BELOW GROUND F. LANDFILL G. LANDFARM H. OPEN DUMP	MOUNT 03 UNIT OF	MEASURE 0	A INCENERATION B. UNDERGROUNG	NUECTION	
D. RCRA E. RCRA INTERIM STATUS F. SPCG PLAN G. STATE (Soccity) H. LOCAL (Soccity) J. NONE II. SITE DESCRIPTION 1 STORAGE/DISPOSAL (Check of that accity) B. PILES C. DRUMS, ABOVE GROUND D. TANK, ABOVE GROUND E. TANK, BELOW GROUND F. LANDFILL G. LANDFARM H. OPEN DUMP	MOUNT 03 UNIT OF	MEASURE 0	A INCENERATION B. UNDERGROUNG	NUECTION	
E. RCRA INTERIM STATUS F. SPCC PLAN G. STATE (Society) H. LOCAL (Society) II. OTHER (Society) J. NONE II. SITE DESCRIPTION TO STORAGE/DISPOSAL (Cheek of that copy) A. SURFACE IMPOUNDMENT B. PILES C. DRUMS, ABOVE GROUND D. TANK, ABOVE GROUND E. TANK, BELOW GROUND F. LANDFILL G. LANDFARM H. OPEN DUMP	MOUNT 03 UNIT OF	MEASURE 0	A INCENERATION B. UNDERGROUNG	NUECTION	
F. SPCC PLAN G. STATE (SOCCHY) H. LOCAL (SOCCHY) D D D D D D D D D	MOUNT 03 UNIT OF	MEASURE 0	A INCENERATION B. UNDERGROUNG	NUECTION	
G. STATE (Specify) H. LOCAL (Specify) I. OTHER (Specify) J. NONE II. SITE DESCRIPTION II STORAGE/DISPOSAL (Check of that sophy) A. SURFACE IMPOUNDMENT B. PILES C. DRUMS, ABOVE GROUND D. TANK, ABOVE GROUND E. TANK, BELOW GROUND F. LANDFILL G. LANDFARM H. OPEN DUMP	MOUNT 03 UNIT OF	MEASURE 0	A INCENERATION B. UNDERGROUNG	NUECTION	
H. LOCAL (Specify) D D D D D D D D D	MOUNT 03 UNIT OF	MEASURE 0	A INCENERATION B. UNDERGROUNG	NUECTION	
H. LOCAL (Specify) D P	MOUNT 03 UNIT OF	MEASURE 0	A INCENERATION B. UNDERGROUNG	NUECTION	
I. OTHER (Specify) P	MOUNT 03 UNIT OF	MEASURE 0	A INCENERATION B. UNDERGROUNG	NUECTION	
J. NONE J. NONE J. NONE J. STE DESCRIPTION DI STORAGE/DISPOSAL /Check al Rei ecent) O2 A D. A. SURFACE IMPOUNDMENT B. PILES C. DRUMS, ABOVE GROUND D. TANK, ABOVE GROUND E. TANK, BELOW GROUND F. LANDFILL G. LANDFARM H. OPEN DUMP I. OTHER (Specify)	MOUNT 03 UNIT OF	MEASURE 0	A INCENERATION B. UNDERGROUNG	NUECTION	
II. SITE DESCRIPTION 11 STORAGE/DISPOSAL (Check of that exper) 12 A. SURFACE IMPOUNDMENT 13 B. PILES 14 C. DRUMS, ABOVE GROUND 15 C. DRUMS, ABOVE GROUND 16 E. TANK, ABOVE GROUND 17 F. LANDFILL 18 G. LANDFARM 19 H. OPEN DUMP	600		A. INCENERATION B. UNDERGROUND	NUECTION	
DI STORAGE/DISPOSAL /Cheek of that apply) A. SURFACE IMPOUNDMENT B. PILES C. DRUMS, ABOVE GROUND D. TANK, ABOVE GROUND E. TANK, BELOW GROUND F. LANDFILL G. LANDFARM H. OPEN DUMP	600		A. INCENERATION B. UNDERGROUND	NUECTION	
OSILUER RECOVER THE TREATED E HORTH SLOS OF		22		CESSING IVERY LING/RECOVERY	
V. CONTAINMENT	THE POICE	21 ~6,_	IS TECTS	o man	THEM BY BEEGE
			EQUATE, POOR		CURE, UNSOUND, DANGEROUS
DESCRIPTION OF DRUMS, DIKING, LINERS, BARRI DEUTYS WERE I WAS UNLOCKED AT DECRETORS WENTER TIME PILK JP A S TIME PILK JP A S TIME PECTORS EXPEN	TIME	0N A	INCH-	MART MONT	PAP, FENCES AFPROX. 6 RU 13 TID) AFFRI
ITING PILKUP . A : INSPECTORS EXPEN	STRONG VOLITION	or u	AS DOTE	CTED IN	THE FACILITY

01 WASTE EASILY ACCESSIBLE: X YES DNO
02 COMMENTS DRUME LOCATED IN AND ARROUND AND OFTIN

FINETO ARTA ON NOTH TIDE OF BUILDINGS

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state (fes, sample analysis, reports)

See attached reference liet.

E.C. Jardan Co. site inspection, 10/1/85

9	

L IDENTIFICATION

VEPA	PART 5 - WATER		TION REPORT IC, AND ENVIRO	DNMI	ENTAL DATA		L D07380	
IL DRINKING WATER SUPPLY								
01 TYPE OF DRINKING SUPPLY (Check as applicable)		02 STATUS				03	DISTANCE TO SITE	
SURFAC		ENDANGER	ED AFFECTED	ı	MONITORED		, -	
COMMUNITY A.	B,X()	A. 🖸	8. 🗆		C. 🗆	A.		(ומ
NON-COMMUNITY C. []	D. 🖸	0. 🗆	€. □		F. 🗆	B.	(r	ni) —————
III. QROUNDWATER						_,		
01 GROUNDWATER USE IN VICINITY ICHO	□ B. DRINKING (Other sources avails)	DUSTRIAL, IRRIGATIO	. Almited esh	CIAL, er sourc	INDUSTRIAL, IRRIGATI	ON C	D. NOT USED, UNI	USEABLE
02 POPULATION SERVED BY GROUND W	NATER 226,430	(1975)	03 DISTANCE TO N	EARES	IT DRINKING WATER W	eu_<	.5 11	mi)
04 DEPTH TO GROUNDWATER	05 DIRECTION OF GRO	NOWATER FLOW	06 DEPTH TO AQUIF	ER	07 POTENTIAL YIELD	,	08 SOLE SOURCE	AQUIFER
3.0 m	Jouth	12×4	OF CONCERN	-	100 million		X YES	□ NO
OB DESCRIPTION OF WELLS meades used		population and buildings)		_(ft)	700 William	(gpd)		
municipal drin	King wate	er well.		 				
10 RECHARGE AREA			11 DISCHARGE ARE		_			
XYES COMMENTS			☐ YES COMI	MENT	S			
R5610HAL	١٦			12	EUONAL	-4		
IV. SURFACE WATER			·				· · · · · · · · · · · · · · · · · · ·	
01 SURFACE WATER USE (Check one) SZA. RESERVOIR, RECREATION ORINKING WATER SOURCE 02 AFFECTED/POTENTIALLY AFFECTED	IMPORTAN	N, ECONOMICALLY IT RESOURCES		ERCIA	L, INDUSTRIAL	0.0). NOT CURRENTI	LY USED
NAME:					AFFECTED		DISTANCE TO SI	TE
A small pa	nd						0.28	(mi)
						_		(mi)
						_		(mi)
V. DEMOGRAPHIC AND PROPER	TY INFORMATION				· · · · · · · · · · · · · · · · · · ·		·	
01 TOTAL POPULATION WITHIN			·····	021	DISTANCE TO NEARES	T POPUI	LATION	
ONE (1) MILE OF SITE TALL OF PERSONS	WO (2) MILES OF SITE B. 25,000 NO OF PERSONS	THREE (3	MILES OF SITE			0.ZB	(ml)	
03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE		04 DISTANCE TO NE	AREST	TOFF-SITE BUILDING			
7500	00				0,1	(rr	ní)	
05 POPULATION WITHIN VICINITY OF SITE	P2-1-2+ NG	Co. 15	المنسك أن الح	1	O + + ,	3 ~	· • = = = = = = = = = = = = = = = = = =	AST.
of the ft. (R-e con-ou east of the		EXECT ACT LO	CATE	م چ. نین	?=RT. D=+ /	~~ 2 3	ty year	PULACT: 10

EPA FORM 2070-13 (7-81)

$\mathbf{\Lambda}$,	-
		IJΛ

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

I. IDENTIFICATION

VLIA	PAR	T 5 - WATER, DEMOGRAPH	IC, AND	ENVIRO	NMENTAL D	ATA LE	2 DO7	3869414
VI. ENVIRONMENTAL INFORMA								
O I PERMEABILITY OF UNSATURATED Z	ONE (Check or	10)				•		
□ A. 10 ⁻⁶ - 10 ⁻	-6 cm/sec	□ 8. 10-4 - 10-6 cm/sec \$	LC. 10-4-	- 10 ⁻³ cm	/sec 1⊡ D. GR	EATER THAN	10 ⁻³ cm/sec	c
02 PERMEABILITY OF BEDROCK (Check	anel							
☐ A. IMPERA (Less then	MEABLE 10 ⁻⁶ anvect	☐ B. RELATIVELY IMPERMEAS	LE KIC.	RELATIVEL	Y PERMEABLE	C O. VERY	PERMEABLI	E eci
03 DEPTH TO BEDROCK	04 DEPTH	OF CONTAMINATED SOIL ZONE		05 SOIL p		Ĭ		
Un Known (m)		Un Known (m)	-		7.0			
06 NET PRECIPITATION	07 ONE YE	AR 24 HOUR RAINFALL	OB SLOPE SITE S		DIRECTION OF	SITE SLOPE	TERRAIN	AVERAGE SLOPE
<u> </u>		10.85 (in)	شائث	×	E457			- 1
09 FLOOD POTENTIAL		10						
SITE IS IN 100 YEAR FLO		SITE IS ON BARRI						MAY
11 DISTANCE TO WETLANDS (8 sere minim	umj		12 DISTAN	CE TO CRIT	TCAL HABITAT (M.)	indergored apocite	I	
ESTUARINE		OTHER			_	 	. (mil)	
A(mi)	B	<u> 2.5 (mi)</u>	EN	DANGERE	D SPECIES:	None		
13 LAND USE IN VICINITY								
DISTANCE TO:								
COMMERCIAL/INDUSTRI	IAL	RESIDENTIAL AREAS; NATION FORESTS, OR WILDLIF			PRIME	AGRICULTU AG LANO		3 LAND
A. LMM=D (mi)		8	(mi)		C	(mi)	D	(mi)
14 DESCRIPTION OF SITE IN RELATION T	TO SURROUN	DING TOPOGRAPHY						
								i
VII. SOURCES OF INFORMATION	V ICAR SPACES	references a.O. sinia files temple accidence	soorts)					
E.C. TordanCo.				185				
See attached	200	15+	, _ , ,	ر ب				l
Dee attached	rette	ievice in i						
								Ì
								î

Ω.	

		TEICATION
	O1 STATE	02 SITE NUMBER
ı	FI	DOT 3869414

SEPA	P	SITE INSPECTION REPORT ART 6 - SAMPLE AND FIELD INFORMATION	73869414		
IL SAMPLES TAKEN					
SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE		
GROUNDWATER	4	EC Jordan Laboratory, Portland, Maine			
SURFACE WATER					
WASTE					
AIR					
RUNOFF		·			
SPILL			ļ		
SORL					
VEGETATION		The second secon			
	<u> </u>	E.C. Jordan Laboratory, Portland, Maine	` `		
IIL FIELD MEASUREMENTS TA					
O1 TYPE	02 COMMENTS				
0.1	GW				
pH	<i>6.5</i>				
Conauctivity (units)	900				
rempualure (C)	22.	0 26.8 25.9 " "			
IV. PHOTOGRAPHS AND MAPS					
01 TYPE SE GROUND C AERIAL		02 IN CUSTODY OF FDER TALLANASSEE, FL. (Name of organization or inclinidual)			
DI MAPS 04 LOCATION OF MAPS EXES SITE SKETCH					
V. OTHER FIELD DATA COLLECTED (Provide nerretive description)					
			:		
VI. SOURCES OF INFORMATION	N (Cité specific references, e.g	p., state files, sample analysis, reports)			
E.C. Jordan Co	, site ins	ipection, 10/1/25			
See attached	reterence	e list.			
			•		

	I. IDENTI	. IDENTIFICATION				
İ	01 STATE	02 SITE NUMBER				
1	FL	D073869414				

13 STATE 14 2P CODE 12 CITY 13 STATE 14 2P CODE 10 STREET ADDRESS (P.O. Bas., APO.P., etc.) 11 SIC CODE 12 CITY 13 STATE 14 2P CODE 12 CITY 13 STATE 14 2P CODE 12 CITY 13 STATE 14 2P CODE 12 CITY 13 STATE 14 2P CODE 12 CITY 13 STATE 14 2P CODE 12 CITY 13 STATE 14 2P CODE 12 CITY 13 STATE 14 2P CODE 12 CITY 13 STATE 14 2P CODE 12 CITY 13 STATE 14 2P CODE 12 CITY 13 STATE 14 2P CODE 14 CITY 14 C	SEPA				CTION REPORT ER INFORMATION	FL FL	D (073869414
13 STATE 14 2P CODE 13 S	IL CURRENT OWNER(S)	_			PARENT COMPANY (If applicable)			
7 1: NOU - 7 PL 06 STATE OF ZODE FT LAND. 06 STATE OF ZODE FLA 2 2 3 3 7 06 STATE OF ZODE FLA 2 2 3 3 7 06 STATE OF ZODE 12 CITY 13 STATE 14 ZODE 06 OF HAMMERA 08 STATE OF ZODE 10 STREET ADDRESS; P. O. BM., NOV., MI.) 11 STCCODE 10 STREET ADDRESS; P. O. BM., NOV., MI.) 11 STCCODE 10 STREET ADDRESS; P. O. BM., NOV., MI.) 11 STCCODE 10 STREET ADDRESS; P. O. BM., NOV., MI.) 11 STCCODE 10 STREET ADDRESS; P. O. BM., NOV., MI.) 11 STCCODE 11 STATE 14 ZODE 12 CITY 13 STATE 14 ZODE 13 STATE 14 ZODE 13 STATE 14 ZODE 14 STATE 14 ZODE 15 STATE 14 ZODE 16 STREET ADDRESS; P. O. BM., NOV., MI.) 11 SCCODE 17 CITY 18 STATE 14 ZODE 18 STATE 14 ZODE 19 STATE 14 ZODE 19 STATE 14 ZODE 19 STATE 14 ZODE 10 STREET ADDRESS; P. O. BM., NOV., MI.) 11 SCCODE 11 STATE 14 ZODE 11 SCCODE 12 CITY 13 STATE 14 ZODE 13 STATE 14 ZODE 14 ZODE 15 STATE 14 ZODE 16 STATE 14 ZODE 17 STATE 14 ZODE 18 STATE 14 ZODE 18 STATE 14 ZODE 19 STATE 14 ZODE 19 STATE 14 ZODE 19 STATE 14 ZODE 10 STATE 14 ZODE 11 SCCODE 10 STREET ADDRESS; P. O. BM., NOV., MI.) 11 SCCODE 11 SCCODE 12 CITY 13 STATE 14 ZODE 13 STATE 14 ZODE 14 ZODE 15 CODE 16 STATE 14 ZODE 17 STATE 14 ZODE 18 STATE 14 ZODE 18 STATE 14 ZODE 19 STATE 14 ZODE 19 STATE 14 ZODE 19 STATE 14 ZODE 10 STATE 14 ZODE 10 STATE 14 ZODE 11 SCCODE 11 SCCODE 12 CITY 13 STATE 14 ZODE 13 STATE 14 ZODE 14 ZODE 15 CODE 15 CODE 16 STATE 14 ZODE 17 STATE 14 ZODE 18 STATE 14 ZODE 18 STATE 14 ZODE 18 STATE 14 ZODE 19 STATE 14 ZODE 19 STATE 14 ZODE 19 STATE 14 ZODE 19 STATE 14 ZODE 19 STATE 14 ZODE 11 SCCODE 11 SCCODE 12 CITY 13 STATE 14 ZODE 13 STATE 14 ZODE 14 ZODE 15 CODE 15 CODE 16 STATE 14 ZODE 17 STATE 14 ZODE 18 STATE 14 ZODE 18 STATE 14 ZODE 18 STATE 14 ZODE 18 SCCODE 19 STATE 14 ZODE 10 STATE 14 ZODE 10 STATE 14 ZODE 11 SCCODE 11 SCCODE 11 SCCODE 11		16 00.1			M16 STERN	Copp	1	D+8 NUMBER
13 STATE 14 ZP CODE 12 CTY 13 STATE 14 ZP CODE 13 STREET ADDRESS IN 0. BM., NOV., MI.) 11 SC CODE 13 CTY 13 STATE 14 ZP CODE 12 CTY 13 STATE 14 ZP CODE 13 STREET ADDRESS IN 0. BM., NOV., MI.) 11 SC CODE 12 CTY 13 STATE 14 ZP CODE 13 STREET ADDRESS IN 0. BM., NOV., MI.) 11 SC CODE 12 CTY 13 STATE 14 ZP CODE 13 STREET ADDRESS IN 0. BM., NOV., MI.) 11 SC CODE 15 CTY 13 STATE 14 ZP CODE 15 CTY 13 STATE 14 ZP CODE 15 CTY 15	77: NW <7ThpL							
03 STREET ADDRESS (P.O. Bas., APO P., 196.) 04 STATE OF ZP CODE 13 CITY 13 STATE 14 ZP CODE 05 CITY 06 STATE OF ZP CODE 12 CITY 13 STATE 14 ZP CODE 06 CITY 06 STATE OF ZP CODE 12 CITY 13 STATE 14 ZP CODE 07 D+8 NUMBER 08 D+8 NUMBER 09 D+8 NUMBER 09 D+8 NUMBER 09 D+8 NUMBER 09 D+8 NUMBER 09 D+8 NUMBER 09 D+8 NUMBER 09 D+8 NUMBER 09 D+8 NUMBER 09 D+8 NUMBER 09 D+8 NUMBER 09 D+8 NUMBER 09 D+8 NUMBER 09 D+8 NUMBER 09 D+8 NUMBER 09 D+8 NUMBER 00 D+8 NUMBER 00 D+8 NUMBER 00 D+8 NUMBER 01 NUMBER 01 D+8 NUMBER 01 NUMBER 02 D+8 NUMBER 01 NUMBER 02 D+8 NUMBER 03 STREET ADDRESS (P.O. Bas., APO P., 186.) 04 SIC CODE 05 CITY 06 STATE OF ZP CODE 07 D+8 NUMBER 01 NUMBER 01 NUMBER 02 D+8 NUMBER 01 NUMBER 02 D+8 NUMBER 03 STREET ADDRESS (P.O. Bas., APO P., 186.) 04 SIC CODE 05 CITY 06 STATE OF ZP CODE 05 CITY 06 STATE OF ZP CODE 07 D+8 NUMBER 01 NUMBER 03 STREET ADDRESS (P.O. Bas., APO P., 186.) 04 SIC CODE 05 CITY 06 STATE OF ZP CODE 05 CITY 06 STATE OF ZP CODE 07 D+8 NUMBER 01 NUMBER 03 STREET ADDRESS (P.O. Bas., APO P., 186.) 04 SIC CODE 05 CITY 06 STATE OF ZP CODE 07 D+8 NUMBER 01 NUMBER 03 STREET ADDRESS (P.O. Bas., APO P., 186.) 04 SIC CODE 05 CITY 06 STATE OF ZP CODE 07 D+8 NUMBER 07 D+8 NUMBER 07 D+8 NUMBER 08 STATE OF ZP CODE 09 STATE OF ZP CODE	V				12 CITY	13 STAT	E 14	ZIP CODE
08 GTY	O1 NAME		02 0	+8 NUMBER	DE NAME		09	D+8 NUMBER
01 NAME 02 0+8 NUMBER 08 STREET ADDRESS (P.O. Biol. APD P. BIOL. 06 STATE 07 ZP CODE 12 CITY 13 STATE 14 ZP CODE 07 STREET ADDRESS (P.O. Biol. APD P. BIOL. 08 STATE 07 ZP CODE 12 CITY 13 STATE 14 ZP CODE 09 STREET ADDRESS (P.O. Biol. APD P. BIOL. 11 SIC CODE 10 STREET ADDRESS (P.O. Biol. APD P. BIOL. 11 SIC CODE 12 CITY 13 STATE 14 ZP CODE 11 SIC CODE 12 CITY 13 STATE 14 ZP CODE 12 CITY 13 STATE 14 ZP CODE 12 CITY 13 STATE 14 ZP CODE 13 STATE 14 ZP CODE 12 CITY 13 STATE 14 ZP CODE 14 ZP CODE 12 CITY 13 STATE 14 ZP CODE 15 STREET ADDRESS (P.O. Biol. APD P. BIOL. 17 STATE 14 ZP CODE 12 CITY 13 STATE 14 ZP CODE 18 STATE 10 ZP CODE 12 CITY 13 STATE 14 ZP CODE 19 STATE 07 ZP CODE 03 STREET ADDRESS (P.O. Biol. APD P. BIOL. 10 STATE 07 ZP CODE 04 SIC CODE 05 CITY 06 STATE 07 ZP CODE 10 STREET ADDRESS (P.O. Biol. APD P. BIOL. 10 STATE 07 ZP CODE 05 CITY 06 STATE 07 ZP CODE 20 STREET ADDRESS (P.O. Biol. APD P. BIOL. 20 STATE 07 ZP CODE 05 CITY 06 STATE 07 ZP CODE 20 STATE 07 ZP CODE 05 CITY 06 STATE 07 ZP CODE 20 STATE 07 ZP CODE 05 CITY 06 STATE 07 ZP CODE 20 STATE 07 ZP CODE 05 CITY 06 STATE 07 ZP CODE 20 STATE 07 ZP CODE 05 CITY 06 STATE 07 ZP CODE 20 STATE 07 ZP CODE 05 CITY 06 STATE 07 ZP CODE 20 STATE 07 ZP CODE 05 CITY 06 STATE 07 ZP CODE 20 STATE 07 ZP CODE 05 CITY 06 STATE 07 ZP CODE 20 STATE 07 ZP CODE 05 CITY 06 STATE 07 ZP CODE 20 CODE 05 CITY 06 STATE 07 ZP CODE 05 CITY 06 STATE 07 ZP CODE 20 CODE 05 CITY 06 STATE 07 ZP CODE 05 CITY 06 STATE 07 ZP CODE 05 CITY 06 STATE 07 ZP CODE 05 CITY 06 STATE 07 ZP CODE 05 CITY 06 STATE 07 ZP CODE 05 CITY 06 STATE 07 ZP CODE 05 CITY 06 STATE 07 ZP CODE 05 CITY 06 STATE 07 ZP CODE 05 CITY 06 STATE 07 ZP CODE 05 CITY 07 CITY 07 ZP CODE 07 ZP CODE 07 ZP CODE 07 ZP	03 STREET ADDRESS (P.O. Box, RFD P, MC.)			04 SIC CODE	10 STREET ADDRESS (P.O. Box, AFD P. ole.)			11 SIC CODE
11 SIC CODE 10 STREET ADDRESS (P.O. Box, APD P. MIL.) 11 SIC CODE 10 STREET ADDRESS (P.O. Box, APD P. MIL.) 11 SIC CODE 12 CITY 13 STATE 14 ZEP CODE 12 CITY 13 STATE 14 ZEP CODE 10 STREET ADDRESS (P.O. Box, APD P. MIL.) 11 SIC CODE 10 STREET ADDRESS (P.O. Box, APD P. MIL.) 11 SIC CODE 10 STREET ADDRESS (P.O. Box, APD P. MIL.) 13 STATE 14 ZEP CODE 12 CITY 13 STATE 14 ZEP CODE 13 STATE 14 ZEP CODE 15 CITY 15 STATE 14 ZEP CODE 15 CITY 15 STATE 14 ZEP CODE 15 CITY 15 STATE 14 ZEP CODE 15 CITY 15 STATE 14 ZEP CODE 15 CITY 15 STATE 14 ZEP CODE 15 CITY 15 STATE 14 ZEP CODE 15 CITY 15 STATE 14 ZEP CODE 15 CITY 15 STATE 14 ZEP CODE 15 CITY 15 STATE 14 ZEP CODE 15 CITY 15 STATE 14 ZEP CODE 15 STATE 14 ZEP C	05 CITY	OS STATI	E 07 2	DIP CODE	12 CITY	13 STATE	E 14	ZIP CODE
08 GITY	01 NAME	<u> </u>	02 (0+8 NUMBER	OS NAME	I	09	D+8 NUMBER
O3 STREET ADDRESS (P.O. Box. APD P. OR.) O4 SIC CODE 10 STREET ADDRESS (P.O. Box. APD P. OR.) O5 STATE O7 ZIP CODE 11 SIC CODE 12 CITY 13 STATE 14 ZIP CODE 14 ZIP CODE 15 CITY O6 STATE O7 ZIP CODE 17 CITY 18 STATE 14 ZIP CODE 19 STREET ADDRESS (P.O. Box. APD P. OR.) O7 D+B NUMBER O7 ZIP CODE O7 STREET ADDRESS (P.O. Box. APD P. OR.) O8 STATE O7 ZIP CODE O7 STREET ADDRESS (P.O. Box. APD P. OR.) O8 STATE O7 ZIP CODE O7 STREET ADDRESS (P.O. Box. APD P. OR.) O8 STATE O7 ZIP CODE O7 STREET ADDRESS (P.O. Box. APD P. OR.) O8 STATE O7 ZIP CODE O7 STREET ADDRESS (P.O. Box. APD P. OR.) O8 STATE O7 ZIP CODE O7 STREET ADDRESS (P.O. Box. APD P. OR.) O8 STATE O7 ZIP CODE O7 STREET ADDRESS (P.O. Box. APD P. OR.) O8 STATE O7 ZIP CODE O7 STREET ADDRESS (P.O. Box. APD P. OR.) O8 STATE O7 ZIP CODE O7 STREET ADDRESS (P.O. Box. APD P. OR.) O8 STATE O7 ZIP CODE O7 STREET ADDRESS (P.O. Box. APD P. OR.) O8 STATE O7 ZIP CODE O7 STREET ADDRESS (P.O. Box. APD P. OR.) O8 STATE O7 ZIP CODE	OS STREET ADDRESS (P.O. Box, AFD F. sec.)		1	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11SIC CODE
O3 STREET ADDRESS (P.O. Box. APD P. ME.) O4 SIG CODE 12 CITY 13 STATE 14 2P CODE III. PREVIOUS OWNER(S) (List most recent first). O1 NAME O2 D+B NUMBER O2 D+B NUMBER O3 STREET ADDRESS (P.O. Box. APD P. ME.) O4 SIG CODE O5 CITY O6 STATE 07 ZIP CODE O5 STREET ADDRESS (P.O. Box. APD P. ME.) O4 SIG CODE O5 STREET ADDRESS (P.O. Box. APD P. ME.) O4 SIG CODE O5 STREET ADDRESS (P.O. Box. APD P. ME.) O4 SIG CODE O5 STREET ADDRESS (P.O. Box. APD P. ME.) O4 SIG CODE O5 CITY O6 STATE 07 ZIP CODE	06 CITY	06 STATE	07 2	OP CODE	12 CITY	13 STATE	14	ZIP CODE
OB CITY OB STATE OF ZIP CODE III. PREVIOUS OWNER(S) (LIM most recent first). IV. REALTY OWNER(S) IT application, the most recent first) OI NAME O2 D+B NUMBER O2 D+B NUMBER O3 STREET ADDRESS (P.O. Box., RFO.P. INC.) O4 SIC CODE O5 CITY O6 CITY O6 STATE O7 ZIP CODE O4 SIC CODE O5 CITY O6 STATE O7 ZIP CODE	01 NAME		02 0	+8 NUMBER	06 NAME		091	D+8 NUMBER
III. PREVIOUS OWNER(S) (LAM MOST POCCOM PART). OI NAME OI OF STATE OF ZIP CODE OF CITY OF STATE OF ZIP CODE OI NAME 03 STREET ADDRESS (P 0 Bes. RFD P. etc.)			04 SIC CODE	10 STREET ADDRESS (P. O. Box, RFD #, esc.)		1	11 SIC COD€	
02 D+B NUMBER O2 D+B NUMBER O3 STREET ADDRESS (P.O. BOX. RFD F. NE.) O4 SIC CODE O5 CITY O6 STATE O7 ZIP CODE	06 CITY.	OG STATE	O7 2	OP COOE	12017	13 STATE	14	ZIP CODE
02 D+B NUMBER O2 D+B NUMBER O3 STREET ADDRESS (P.O. BOX. RFD F. NE.) O4 SIC CODE O5 CITY O6 STATE O7 ZIP CODE	III. PREVIOUS OWNER(S) (List most recent first)	1.			IV. REALTY OWNER(S) (# applicable; Ref.	ost recent (trail)		
OBSTATE OF ZIP CODE OBSTATE OF ZIP CODE	01 NAME		1		1		02	D+8 NUMBER
08 STATE 07 ZIP CODE OF TT, LAUD OF STATE 07 ZIP CODE OF TT, LAUD OF STATE 07 ZIP CODE	03 STREET ADDRESS (P.O. Box, RFD P. MC.)						<u> </u>	04 SIC CODE
O3 STREET ADDRESS (P. O. Box. AFD P. MC.) O4 SIC CODE O5 CITY O6 STATE O7 ZIP CODE O1 NAME O2 D+B NUMBER O1 NAME O2 D+B NUMBER O4 SIC CODE O5 CITY O6 STATE O7 ZIP CODE O1 NAME O2 D+B NUMBER O1 NAME O2 D+B NUMBER O1 NAME O2 D+B NUMBER O4 SIC CODE O3 STREET ADDRESS (P. O. Box. AFD P. MC.) O4 SIC CODE O4 SIC CODE O5 CITY O6 STATE O7 ZIP CODE O5 CITY O6 STATE O7 ZIP CODE O5 CITY O6 STATE O7 ZIP CODE O5 CITY O6 STATE O7 ZIP CODE V. SOURCES OF INFORMATION (Cas specific references, e.g., sinte files, sample analysis, reports) E.C. Jordan Co. Ett. Neptono. 10 1 1 E 5	05 CITY		07 Z	IP C00€	05 CITY	08 STATE	07	ZIP COOE
06 CITY 08 STATE 07 ZIP CODE 01 NAME 02 D+B NUMBER 01 NAME 02 D+B NUMBER 03 STREET ADDRESS (P D. Bos. RFD P. etc.) 04 SIC CODE 05 CITY 06 STATE 07 ZIP CODE 04 SIC CODE 05 CITY 06 STATE 07 ZIP CODE 07 ZIP CODE 08 STATE 07 ZIP CODE 08 STATE 07 ZIP CODE V. SOURCES OF INFORMATION (CAR Specific references, e.g., state files, sample snelyes, reports) E.C. Jardan Co. Site in Specific 1 1 1 1 1 1 1 1 1 1	01 NAME		02 D	+8 NUMBER	O1 NAME		02	D+8 NUMBER
O2 D+B NUMBER O2 D+B NUMBER O3 STREET ADDRESS (P.O. Box, AFD #, etc.) O4 SIC CODE O5 CITY O6 STATE O7 ZIP CODE O5 CITY O6 STATE O7 ZIP CODE V. SOURCES OF INFORMATION (Can appecific references, e.g., after fives, sample analyses, reports) E.C. Jordan Co. Site inspection, 10/1/85	03 STREET ADDRESS (P. O. BOIL RFD P. MC.)			04 SIC CODE	03 STREET ADDRESS (P O. Box, RFD 0, etc.)			04 SIC CODE
03 STREET ADDRESS (P. D. BOX, AFD P. MC.) 04 SIC CODE 05 CITY 06 STATE 07 ZIP CODE 05 CITY 06 STATE 07 ZIP CODE V. SOURCES OF INFORMATION (Can specific references, e.g., alate fines, semple snelype, reports) E.C. Jordan Co. Site inspection, 10/1/85	05 CITY	OB STATE	07 ZI	P COO€	05 CITY	06 STATE	07	ZIP CODE
V. SOURCES OF INFORMATION ICAN ASSOCIATE PROFESSION ICITES E.C. Jordan Co. Site inspection ican specific references. 10 July	01 NAME	ļ	02 D	+ B NUMBER	O1 NAME	<u> </u>	021	D+8 NUMBER
V. SOURCES OF INFORMATION (Can specific references, e.g., alate Mes. sample analysis, reports) E.C. Jordan Co. Site inspection, 10/1/85	03 STREET ADDRESS (P. O. Box, RFD #. etc.)			04 SIC CODE	03 STREET ADDRESS (P 0 Box, AFD 4, etc.)		1	04 SIC CODE
E.C. Jordan Co. Eite inspection, 10/1/85	SCITY	06 STATE	07	ZIP CODE	05 CITY	06 STATE	07 2	CIP CODE
E.C. Jordan Co. Site inspection, 10/1/85 See attached reference list.	V. SOURCES OF INFORMATION ICAO BOOCH	to references.	e.g., afi	ate files, sample snalysis, rej	ports)			
	E.C. Jordan Co. El See attached ref	erei) (- Jet	ection, ic	11185			

EPA FORM 2070-13 (7-81)

~	L . / \	

	I. IDENTIFICATION						
ĺ		02 SITE NUMBER					
1	FL	DO 73869411	4				

SEPA		SITE INSPECTION REPORT PART 8 - OPERATOR INFORMATION			01 STATE 02 SITE NUMBER FC DO 73869414		
IL CURRENT OPERAT	OR (Provide II different fre	· · · · · · · · · · · · · · · · · · ·	OPERATOR'S	PARENT COMPANY (l applicació		
01 NAME			02 D+8 NUMBER	10 NAME			11 D+8 NUMBER
CARLOS OS STREET ADDRESS (P.O.) SAME	Box. RFO F, est.)		04 SIC CO0€	12 STREET ADDRES	15 (P.O. Bos. AFO #, ess.)		13 SIC CODE
06 CITY			07 ZIP COD€	14 CITY		16 STATE	16 ZIP CODE
OS YEARS OF OPERATION	09 NAME OF OWNER			 	<u> </u>		
III. PREVIOUS OPERA	TOR(S) (List meet recent i	trat; provide eni	y if different from owner)	PREVIOUS OPE	ERATORS' PARENT C	OMPANIES (#	epp#cadist
OI NAME Same			02 D+8 NUMBER	10 NAME			11 D+8 NUMBER
03 STREET ADDRESS (P.O. 6			04 SIC CODE	12 STREET ADDRES	15 (P.O. Box, AFD 4, etc.)		13 SIC CODE
06 CITY	• · · · · · · · · · · · · · · · · · · ·	OG STATE	07 ZIP CODE >	14 GTY	An in the second second second second second second second second second second second second second second se	16 STATE	16 ZIP CODE
06 YEARS OF OPERATION	09 NAME OF OWNER	DURING THIS	PENIOD		The second secon		
D1 NAME		· 	02 D+8 NUMBER	10 NAME	<u></u>		110+B NUMBER
03 STREET ADDRESS (P.O. a.	ns, AFO F, etc.)		04 SIC COOR	12 STREET ADDRES	S (P.O. Box, APO F, etc.)		13 SIC CODE
06 CITY	<u> </u>	06 STATE	07 ZIP CODE	14 017		15 STATE	16 ZIP COO€
08 YEARS OF OPERATION	09 NAME OF OWNER	DURING THE	S PERIOD		•		
D1 NAME			02 D+8 NUMBER	10 NAME			110+8 NUMBER
03 STREET ADDRESS (P.O. a.	nz, RFD 0, etc.)		04 SIC CODE	12 STREET ADDRES	S (P.O. Box, AFD #, etc.)		13 SIC CODE
06 CITY		06 STATE	07 ZIP CODE	14 CITY	· ·	15 STATE	16 ZIP COD€
08 YEARS OF OPERATION	09 NAME OF OWNER	DURING THIS	PERIOD				
IV. SOURCES OF INFO	RMATION (Cite apacifi	c referencés, é.	g., state flos, sample analysis	, reports)		<u> </u>	<u> </u>
E.C. Jorda See attac	an Co. sit	e ins	spection,	10/1/85	_	-	
See attack	ched ref	leien	e list.				
				٠			
							•

0 EDA	
SEPA	١
II. ON-SITE GENE	
01 NAME	

I. IDENTIFICATION						
01 STATE	02 SITE NUMBER					
F1	እስ7 38 <i>(ብ4</i> 14					

SEPA	PART	SITE INSPECTION REPORT PART 9 - GENERATOR/TRANSPORTER INFORMATION			O1 STATE 02 SITE NUMBER FL D073869414		
II. ON-SITE GENERATOR							
01 NAME		02 D+8 NUMBER	<u> </u>		· · · · · · · · · · · · · · · · · · ·		
BOSTON PRIN	TING.	-					
BOSTON PRIN	1 3 3 3	04 SIC CODE	 				
SANIC			İ				
8 CITY	06 STATE	07 ZIP CODE	 				
•			1				
III. OFF-SITE GENERATOR(S)		<u> </u>					
11 NAME		02 D+8 NUMBER	01 NAME		02 D+8 NUMBER		
NONE		,					
3 STREET ADDRESS (P.O. Box, AFD P. etc.)		04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFO F, etc.)		04 SIC CODE		
•					ļ		
5 CITY	06 STATE	07 ZIP COOE	06 CITY	OG STATE	07 ZIP CODE		
			[.]			
1 NAME	p 1	02 D+6 NUMBER	OI NAME .		02 D+B NUMBER		
3 STREET ADDRESS (P.O. Box, RFD P. otc.)		04 SIC CODE	03 STREET ADDRESS (P.O. Box, NFD F. otc.)		04 SIC CODE		
6 CITY	OG STATE	07 ZIP CODE	05 CITY	OS STATE	07 ZIP CODE		
			.1.		•		
V. TRANSPORTER(S)		H11-18 W	10 FB=S -1305- 85	9 4441			
NAME		02 D+8 NUMBER	101 P323 - 1-505- 83		02 0+8 NUMBER		
CITEMAN OF COMESTAN	محتمما د	0.P					
CHEMICAL CONSERU, 3 STREET ADDRESS (P.O. BOX, AFD P. DOC.)	2(10/4 C)	104 SIC CODE	03 STREET ADDRESS (P.O. Box, AFD 4, oct.)		04 SIC COD€		
653 ROCKET BLU		07 ZIP CODE	06 CITY	ioe etatel	07 ZIP CODE		
· -			US CITY	10001111			
OR LAND DO	1+1-	32824	O1 NAME		02 D+8 NUMBER		
INAME		UZ UT B NUMBER	OT NAME	ľ	UZ UTB NUMBER		
270557 1000500		101 010 0000	03 070757 1000750		04 SIC COD€		
STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFO #, eec.)		D4 SIC CODE		
	122 22.22			IOA STATE!	07 ZIP CODE		
ary	OG STATE	07 ZIP CODE	05 CITY	0031212	U/ ZF COOE		
. SOURCES OF INFORMATION (Cas as	ecific references, e	.g., state illes, semple enelysi	t, repartsj				
E.C. Jordan Co.	~:h-	inspertion	101,185				
	ر.،	11.5/2011	, 10/1/05				
See attached re	terev	rce list	•				
					•		

\$ E	PA	

POTENTIAL HAZARDOUS WASTE SITE

	IDENT			• •	
01	STATE	02 5	TE NU	MBER	9414
	~~	UL	/ /:	つわせ	97 4- 14-

ACLA	PART 10 - PAST RESPONSE ACTIV	1 P/ 100 / 48 694
PAST RESPONSE ACTIVITIES		
01 () A. WATER SUPPLY CLOSED 04 DESCRIPTION	02 DATE	O3 AGENCY
01 [] B. TEMPORARY WATER SUPPLY PROV 04 DESCRIPTION CTTY	DED 02 DATE	03 AGENCY
01 C. PERMANENT WATER SUPPLY PROVI	IDED 02 DATE	03 AGENCY
04 DESCRIPTION P.		•
01 (1) D. SPILLED MATERIAL REMOVED 04 DESCRIPTION	02 DATE	03 AGENCY
01 0 E. CONTAMINATED SOIL REMOVED 04 DESCRIPTION POSSIBLE		03 AGENCY
O1 F WASTE REPACKAGED	02 DATE	03 AGENCY
01 O F. WASTE REPACKAGED 04 DESCRIPTION 55 GALLOU	DRUM & TRANS	PORTSO OFFSITE.
01 CI G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION	02 DATE	03 AGENCY
01 D H. ON SITE BURIAL 04 DESCRIPTION NO	O2 DATE	03 AGENCY
01 ロ L IN SITU CHEMICAL TREATMENT 04 DESCRIPTION しつしーことには	5 GA	C / 2 TIMES DAILY.
01 () J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION		03 AGENCY
01 D K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION AS ELECTIZE	OSTACTIC DEDATE	03 AGENCY
01 C L ENCAPSULATION 04 DESCRIPTION	02 DATE	03 AGENCY
01 DM. EMERGENCY WASTE TREATMENT - 04 DESCRIPTION	02 DATE	03 AGENCY
01 [] N. CUTOFF WALLS 04 DESCRIPTION	02 DATE	03 AGENCY
01 [] O. EMERGENCY DIKING/SURFACE WATE 04 DESCRIPTION	ER DIVERSION 02 DATE	03 AGENCY
01 [] P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION	02 DATE	03 AGENCY

9	

POTENTIAL HAZARDOUS WASTE SITE

	TIFICATION
	02 SITE NUMBER
FL	D073869414

SEPA	SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES	FL Do73869414
II PAST RESPONSE ACTIVITIES (Commune		
01 © R. BARRIER WALLS CONSTRUCTED 04 DESCRIPTION	02 DATE	03 AGENCY
01 S. CAPPING/COVERING 04 DESCRIPTION	02 DATE	03 AGENCY
01 CI T. BULK TANKAGE REPAIRED 04 DESCRIPTION	O2 DATE	03 AGENCY
01 🗀 U. GROUT CURTAIN CONSTRUCTED 04 DESCRIPTION	02 DATE	03 AGENCY
01 🗆 V. BOTTOM SEALED 04 DESCRIPTION	02 DATE	03 AGENCY
01 (I W. GAS CONTROL 04 DESCRIPTION	O2 DATE	O3 AGENCY
01 (1) X. FIRE CONTROL 04 DESCRIPTION	02 DATE	03 AGENCY
01 🗆 Y. LEACHATE TREATMENT 04 DESCRIPTION	O2 DATE	03 AGENCY
01 🗆 Z. AREA EVACUATED 04 DESCRIPTION		03 AGENCY
01 1. ACCESS TO SITE RESTRICTED 04 DESCRIPTION		03 AGENCY
01 2. POPULATION RELOCATED 04 DESCRIPTION	02 OATE	03 AGENCY
01 (2) OTHER REMEDIAL ACTIVITIES 04 DESCRIPTION	O2 DATE	03 AGENCY

E.C. Jordan Co. Site inspection, 10/1/85 See attached reference list.



POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER FL D073869414

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION | YES | 50/10

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

WARNING NOTICES ISSUED DUE TO

FLOODING OF PRAINFIELD.

- WARNING ISSUED.

No Long

EPA SAID (PAUL SHELTON) TO CONTINUE

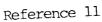
DISCHARGE, PO NOT PULL PRAINFIELD.

NOW - 2 SILVER RELOVERY UNITS IN

SERIES. FAULITY COMPLIES.

III. SOURCES OF INFORMATION (Cité specific references, e.g., state files, sample analysis, re

Ec. Jordan Co. Ett Inspection, 10/1/25 soe attached reference list.





BROWARD COUNTY ENV. STANDER LEAD LONG HUL BUARD

500 S.W. 14th Court Fort Laudardale, Florida 33315 (305) 765-5881

June 26, 1984

Mr. Jim Orban
Environmental Protection Agency
345 Courtland St., N.E.
Atlanta, GA., 30365

Re: Hollingsworth Solderless Terminal Co. Site

Dear Jim:

It has come to our attention that the buildings formerly occupied by Hollingsworth Solderless Terminal Co. located at 700 N. 57th Pl., Ft. Lauderdale, Fl. have been leased to new tenants. The buildings and drainfields being investigated by EPA are located at the east end of NW 57th Pl., one of which is on the south side of the street and two buildings (presently connected) on the north side of NW 57th Pl.

The fourth building is located on the north side of NW 57th Pl. and immediately west of the two other buildings that have been connected. This building was used by Hollingsworth as a storage building and has a septic tank and drainfield located at the SE corner of the building. It is presently occupied by Boston Printing Co. They have occupied this building since July 1982. This property is not under investigation by EPA since Hollingsworth did not have any industrial discharge at this location. Boston Printing Co. has used the existing sanitary waste septic tank and drainfield for the disposal of rinse water (100 GPD) from a developing process. As a result the system has failed and the drainfield must be rebuilt. The industrial discharge will be eliminated. In the meantime they must rectify the existing drainfield.

We, therefore, would appreciate your approval to allow them to correct this problem.

If you have any questions on this matter please contact Rudy DeBenedictis of this office at (305) 765-5881.

Sincerely,

BRUCE KESTER, PE

CHIEF, WASTEWATER SECTION

BK/RD/1r

Engineering Report

STUDIES AND MASTER PLAN FOR ONTAMINANT REMOVAL TREATMENT THE EXECUTIVE AIRPORT AND OSPECT WELLFIELDS

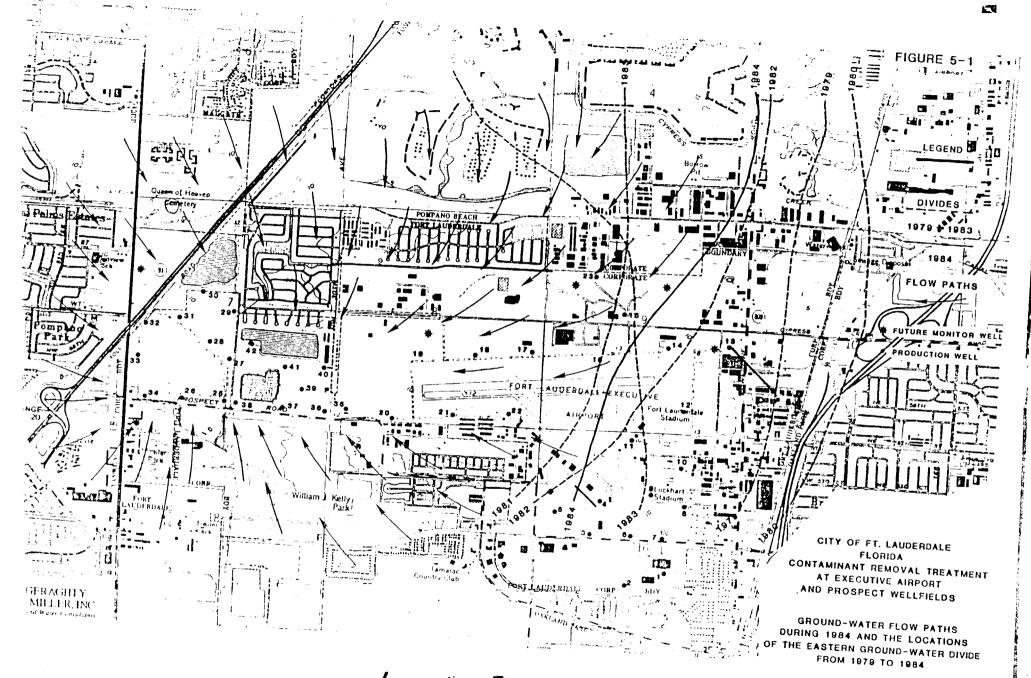
CFCT NO..8343

y of Fort Laude dale Floridar

Jer 1985

ALCOLM PIRNIE





1 cm. = 1000 Ft.

LICENSE NO. 1W-

TRADE NAME OF HAZARDOUS MAT'LS	GENERIC NAME OF HAZARDOUS MAT'LS	CONTAINER SIZE (GAL)	TOTAL QUANTITY ON-SITE (GAL)	MONTHLY USE (Gal.)
Developer 922	Photo Developer	5	5	2
Replenisher for 922		5	5	7.5
Film Chemistry				
A.R. Replenisher		5	5	10
B.R. "		5,	5	5
C.R. "		5	5	5
124 Fix	Fixer	5	5	5
125 Hardener	Hardener	1	1	1
				i
				1
4				
		-		1
		 		
		 		
				
				
		1		<u> </u>

WW LIC

Page 6

MATERIAL SAFETY DATA SHEET

	SECTI	I NO	••		
nufacturer's Name Polychrome	pen.		Emergence (914)	Telepho 65-8800	one No.
idress (Number, Street, City, St 137 Alexander Stre	et Yonkers N	ode) .Y. 10702			
nemical Name and Synonyms	• • • •	Trade	Name and	Synonyme	No. 922
nemical Family		Pormula	Şəə	below	
	SECTION II 1	NGREDIENTS		<u> </u>	
				7	TLV
ithium Benzoate				26.03	N.A.
urfactants				29.5	≓N.A.
odium Citrate				6.18	N.A.
-Propanol				.9.64	500mg/m ³
enzyl Alcohol				3.61	N.A.
			····		
oiling Point (*P.)	SECTION III P	HYSICAL DATA	Gravity (H	20=1)	
/apor Pressure (mm Hg.)					
		Purcent V By Volume			
apor Density (Air=1)		Evaporati			
Colubility in Water					
appearance and Odor		·		· · · · · · · · · · · · · · · · · · ·	
SECTION	IV FIRE AND E	XPLOSION HAZ	ARD DATA		
lash Point (Method used)	,	Flammable		Le	l Uel
xtinguisning Media Foam, C	02				
opecial Fire Fighting Procedures	Gas masks to	protect aga	inst dange	rous com	bustion
unusual fire and Explosion Hazar	ds				· · · · · · · · · · · · · · · · · · ·

MATERIAL SAFETY DATA SHEET

		SECTI	-			····
seturer's Name Polychi	rome Corpor	ation '		(914)	cy Teleph 965-6800	one No.
(Number, Street, Ci	lty, State, and the state of th	and ZIP C York 10	ode)			
mical Name and Synonyms			Tra	de Name an plenisher f	d Synonym	s 922-n
emical Family			Formula			··
·	SECT	ION II I	ngredient:	5		
					7	TLV
ormal propyl alcohol	· 12				92.00	500ms/m ³
urfactant	•	,			5.36	M.A.
enzyl Alcohol		•			2.54	· . A .
	•					
					.,	
						
		···				
						-
	SECTIO	N III PE	TYSICAL DA	TA		-
oiling Point (°F.)	SECTIO	N III PE				-
	SECTIO	N III PE	Specifi Percent	TA c Gravity (Volutile		-
apor Pressure (mm Hg.)	SECTIO	N III PE	Specifi Parcent By Volu	TA c Gravity (Volutile		
apor Pressure (mm Hg.)	SECTIO	N III PE	Specifi Parcent By Volu	TA c Gravity (Volutile me (%) tion Rate		
apor Pressure (mm Hg.) apor Density (Air=1) blubility in Water cpearance and Odor	SECTIO	N III PE	Specifi Parcent By Volu	TA c Gravity (Volutile me (%) tion Rate		
apor Pressure (mm Hg.) apor Density (Air=1) olubility in Water appearance and Odor			Specifi Parcent By Volu Evapora	C Gravity (Volutile me (%) tion Rate —1)		
apor Pressure (mm Hg.) apor Density (Air=1) blubility in Water apearance and Odor SE	SECTION IV PI		Specifi Parcent By Volu Evapora (TA c Gravity (Volutile me (%) tion Rate —1) AZARD DATA	(H2O=1)	
por Pressure (mm Hg.) por Density (Air=1) plubility in Water pearance and Odor SE ash Point (Method used) Less than 81°F (Seta	CTION IV PI		Specifi Parcent By Volu Evapora (C Gravity (Volutile me (%) tion Rate —1)		1 Uel
por Pressure (mm Hg.) por Density (Air=1) plubility in Water pearance and Odor SE ash Point (Method used)	CTION IV PI		Specifi Parcent By Volu Evapora (TA c Gravity (Volutile me (%) tion Rate —1) AZARD DATA	(H2O=1)	l Uel
por Pressure (mm Hg.) por Density (Air=1) Plubility in Water pearance and Odor SE ash Point (Method used) Less than 81°F (Seta	CTION IV FI		Specifi Parcent By Volu Evapora (TA c Gravity (Volutile me (%) tion Rate —1) AZARD DATA	(H2O=1)	l Uel
por Pressure (mm Hg.) por Density (Air=1) Plubility in Water pearance and Odor SE ash Point (Method used) Less than 81°F (Setatinguishing Media	CTION IV FI	RE AND EX	Specifi Parcent By Volu Evapora (TA c Gravity (Volutile me (%) tion Rate —1) AZARD DATA	(H2O=1)	1 Uel

poration a and ZIP Co s, N.Y. 10	702 Trade Name AR-1701	ne and	enisher	
s, and ZIP Cors. N.Y: 10	0da) 0702 - Trade Nam AR-1701	ne and	Synonyms enisher	
s, N.Y: 10	702 Trade Nar AR-1701	Reple	Synonyms enisher	alegal.
ion .	AR-1701	L Reple	enisher	- Alexander
ion .	TOTALLA MARIANA	ent to the second	The Part of the Pa	
	· · · · · · · · · · · · · · · · · · ·	ACCORDING TO		•
ECTION II I			52/1-2-	
COSTON II T	100 000 700 000	· · · · · · · · · · · · · · · · · · ·	 	•
	NCKEDIENTS		1 - 1	
				TLY
Hydroquir	none (123-31-9	9) ,	212-7	-2mg/m3
•			1	
		· · · · · · · · · · · · · · · · · · ·	,	1
· · · · · · · · · · · · · · · · · · ·				
· · · · · · · · · · · · · · · · · · ·		<u> </u>	,	-
4				
			į	
	•			
				·
TION III PU	YSICAL DATA		_	
	Specific Grav	ity (H	0 -1) @25 ⁵ €	1,187
	By Volume (*)			
	Evaporacion F	ute Li)		
1	ļ	ಗ್ರಾಥ ೧೨	5 ⁰ C	7.45
•				-
				-
מו מאר הנוג	CLOSION BALLED	DATA		
	Yamaola Liv	ារ់ខត	, La	
				,
			· · · · · · · · · · · · · · · · · · ·	
•			••	
4				
	Hydroquin	Hydroquinone (123-31-4	Hydroquinone (123-31-9) TION III PHYSICAL DATA Specific Gravity (H: Percent Volatile By Volume (T) Evaporation Rate -1) THE AND INCLOSION BAZAND DATA JUANUARIOLE Limits	Hydroquinone (123-31-9) TION III PHYSICAL DATA Specific Gravity (H20-1) @25°C Parcent Volatile By Volume (%) Evaporation Rate

MATERIAL SAFETY DATA SHEET .

•	S:	ECTION I		
nufacturar's Nama	Cornoration	. Emer*en: /914)	cy Telepho 965-8800	ne No.
dress (Number, Street, City 137 Alexander Street;	, State, and Z	IP Code)		
emical Name and Synonyms		Trade Name an		
nemical Family Photographic Processing Solu	ition	Formula	The second second	
	SECTION I	I INGREDIENTS		*
			7	TLY
ŗ	Potassium Hydro	xide (1310-58-3)	1.23	2ma/m3
	. •			
•				
	3		<u> </u>	<u> </u>
				A-0-13
:				
•	SECTION 31	I PHYSICAL DATA		
boiling Point (P.)		Spacific Gravity	(X2C-1) (825)C	1.250
Vapor Pressure (mm Hg.)	9.3	Parcent Volatila Sy Volume (1)	**************************************	
Vapor Density (Air=1)		Evaporation Rate		
Solubility in Wathr .	1 2	он 025		12.77
Appearance and Odor	*			
	TON IN THE	LIND ETPLOSION BALARD DAIL		
Flash Point (Method used)		Flammable Limits	١	ol [Ue]
Exclinguidating Hedda				The state of the s
Special Fire Fighting Proces	curaç		·	

MATERIAL SAFETY DATA SHEET

	SECTION I		
Manufacturer's Name Polychrome Corporation	n ·	Emergency Tell (914) 96	ephone No.
Address (Number, Street, City, State, and 137 Alexander Street; Yonkers, N.Y. 101		ALL PROPERTY OF THE PARTY OF TH	The same of the sa
Chemical Name and Synonyms	F Trade	e Name and Sync	sher
Chemical Family Photographic Processing Solution		The same of the sa	
SECTION	I INGREDIENTS		· · · · · · · · · · · · · · · · · · ·
			X TLY
Potassium Hy	iroxide (1310-5803)	2.	.07 2mg/m ³
	·	,	•
	·	٠.	
· · · · · · · · · · · · · · · · · · ·	•		
	•		
A A			
7			
, SECTION	III PHYSICAL DATA	•	
Boiling Point (??.)	Specific	Cravity (H20-1	
Vapor Pressure (mm Hg.)	Percent \ By Volume	Volacile	
Vapor Density (Air-1)	Evaporati	ion Rata	
Solubility in Water .		pH @ 25°C	12.30
Appearance and Odor			
. פרדיוט זע איזיי	AND TYPLOSION HA	7100 0101	
Flash Point (Method used)		a Linita	Lel Vel
Excinguishing Media			1
Special Fire Fighting Procedures			
1.			···
Industry Tire and Explosion Mazardar .			

Bureau of Labor Standards

MATERIAL SAFETY DATA SHEET

		SECT	ON I			T
Polychrome			EMERGENCY TELEPHONE	10.		1
P.O. Box 817, You	cers	. N.Y	1070240000000000000000000000000000000000	¥		
CHEMICAL NAME AND SYNONYMS	1	<u> </u>	TRADE NAME AND SYNONYMS ARADIC Pixer \$12			7
CHEMICAL FAMILY			FORMAJUR			1
						_ _
- SECTIO	II NO		DOUS INGREDIENTS			-} ;
PAINTS, PRESERVATIVES, & SOLVENTS	*	(Units)	ALLOYS AND METALLIC COATINGS	3	(Unite)	-
PIGMENTS	<u> </u>		BASE METAL:	<u> </u>	 	_
CATALYST			ALLOYS		=	
VEHICLE			METALLIC COATINGS	1	}	_!
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX			•
ADDITIVÉS	i		OTHERS			_
OTHERS		İ				_
HAZARDOUS MIXTUR	ES OF	OTHER LI	QUIDS, SOLIDS, OR GASES	*	TLY (Unite)	_
Ammonium thiosulfate					N.A.	
Sodium acetate			•		N.X.	
Rocic acid de la la la la la la la la la la la la la				2.	1 N. V	•
Acetic acid glacial				2.	d01 &	0:
						_
	ECTI	וון, אַנ	PHYSICAL DATA			
BOILING POINT (FI)			SPECIFIC GRAVITY (H20=1)			_
VAPOR PRESSURE From Hg.)	!		PERCENT VOLATILE			_
VAPOR DENSITY TAIR=11			EVAPORATION MATE			
RETAW OF VEHICLED TO						
RODO ONA 33MAKATA					•	
						_
SECTION IV	/ 5"	CNA ES	EXPLOSION HAZARD DATA			_
FEACH POINT (MOTOM WOOD)			FLAMMABLE LIMITS Let		U & I	_
To a Non-flammab	<u>le :</u>	liquid		······································	· — · — ·	
NO	n.e					_
UNUSUAL FIRE AND EXPLOSION HAZARDS	Ŋ	one				_

MATERIAL SAFETY DAYA SHEET

		SECTI	ON 1		
MANUFACTURER'S NAME Polychrome			EMERGENCY TELEPHONE	NO.	
ADDRESS (Number, Sures, City, State, and ZIP Co	dej		S. C. C. C. C. C. C. C. C. C. C. C. C. C.		
CHEMICAL NAME AND SYNONYMS		· · · · · · · · · · · · · · · · · · ·	Hardener #125		
CHEMICAL FAMILY		1	FORMULA		
SECTIO	וו אמ	· · · · · · · · · · · · · · · · · · ·	DOUS INGREDIENTS	· 	
PAINTS, PRESERVATIVES, & SOLVENTS	*	(Units)	ALLOYS AND METALLIC COATINGS	2	(Units)
PIGMENTS	1		BASE METAL		,
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES .			OTHERS		
OTHERS					
MAZARDOUS MIXTUR	ES OF	OTHER LI	QUIDS, SOLIDS, OR GASES	*	TLV (Units)
Aluminum sulfate				35	N.A.
Sulfuric acid				2	hmg/m
					}
	at Jerrya				:
	SECTI	ON III	PHYSICAL DATA		
BOILING POINT CFS			SPECIFIC GRAVITY IH20=11	!_	
VAPOR PRESSURE INTO HOLI			PERCENT VOLATILE	<u> </u>	
NAME OF STREET			EVAPORATION RATE		
SOLUBILITY IN WATER			1		
APPEARANCE AND ODOR					
; 	V FI	CNA BR	EXPLOSION HAZARD DATA	 -	
Non-fla			TENMAL ECHAILS (F)		UEI
Not ne					
SELE ALTINE FILENTING PROCEOURES	Not	neces	sary		

None

Č

Ÿ

MATERIAL SAFETY DATA SHEET

SECTION 1

	J20	TION I					
nufacturer's Name rolychrome Corporation				(9143°9	75 Te le	phone N	lo.
idress (Number, Street, City, St 7 Alexander St. Yonkers New	ate, and ZIP w York 1070	Code)					
nemical Name and Synonyms			Harde	e Name and ener Part	Synon:	yms · J. Z.	ر
nemical Family	·	For	mula	· ·	See be	low	
·	SECTION II	INGRED	LENTS			<u> </u>	
					1 %		TLV
Aluminum Sulfate					29.1	ъ. Д	•
Sulfuric Acid					1.8	1mc	/1n3
				.,			

					+		
		···					
	SECTION III						
Boiling Point (°F.)		Spe	cific	Gravity (120-1)		
Vapor Pressure (mm Hg.)		i		olatile			
Vapor Density (Air=1)			Volume porati	(2) lon Rate =1)			
Solubility in Water				-1)			
Appearance and Odor							
							
SECTION	IV FIRE AND	EXPLOS	ON HAZ	ZARD DATA			
Flash Point (Method used) Non-flammable		Fle	ammable	e Limits		Lel	Ue
Extinguishing Media							
Special Fire Fignting Procedures	3	 					
							- -
			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		•	
Unusual Fire and Explosion Haza	rds						
	<u> </u>						

MATERIAL SAFETY DATA SHEET

SECTION I	Emergency (914) 96		ne No.
ZIP Code)	<u> </u>		one No.
10702	-		
	Trade Name and	Synonyms	0.953
	mula See below	·	
	mula See below		
		· · · · · · · · · · · · · · · · · · ·	
II INGREDI	ENTS		
			TLV
		 	
		30.56	
		0.40	344/4
	.1	1	-
egetable star	ch. Phe amount	 	-
t-to-constitu	to a hozoru		
TII PHYSICAI	DATA		
		20-1)	1
i i			
			
\			
			ــــــــــــــــــــــــــــــــــــــ
AND EXPLOSI	ON HAZARD DATA		
Fla	mmable Limits	Le	1 U
			
			 :
		- 	
	Percentitus III PHYSICAL Spec Percentitus Evan (III PHYSICAL DATA Specific Gravity (H Percent Volatile By Volume (%) Evaporation Rate	20.56 0.40 Expetable starch. The amount to constitute as hazardar III PHYSICAL DATA Specific Gravity (H20=1) Percent Volatile By Volume (2) Evaporation Rate (=1)

DATE: Sept. 5, 1984 (1040-1130Hes)

TO: File

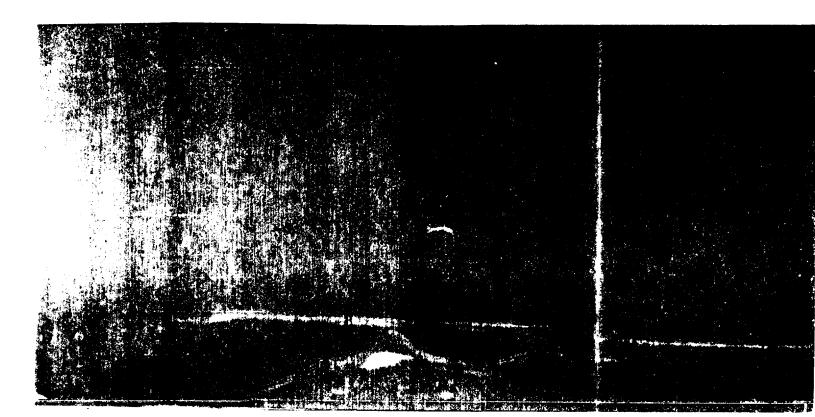
FROM: P.R. She/ton

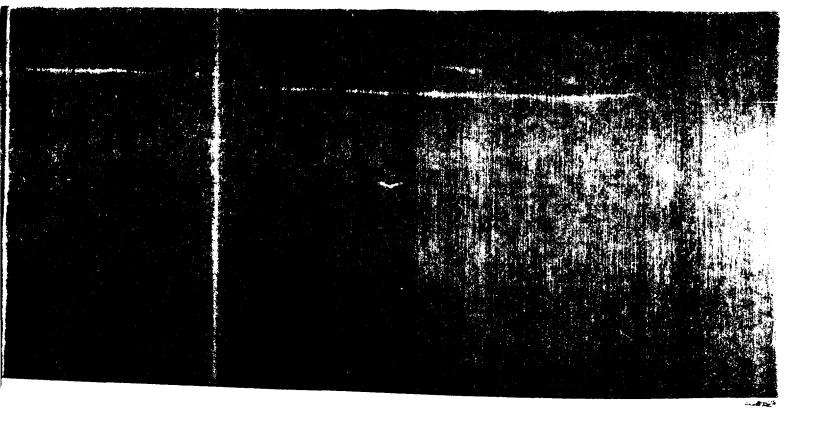
SUBJECT: Boston Printing (0: - 741 NW. 57 PL., FH - update on new & contaminated Drain fields

Saturated Drainfield observed in front of Bldg. from septic tank handling sanitary sewage from Bldg. see photo() for defail.

New Industrial drainfield installed in back of Bldg. see photoGo, for detail.

PRF





- Pay

Solurated Drainfield observed in front of Bldg. from septic touth handling sanifary surage from Bldg. see photo (1) to defail.

New Industrial drainfield installed in back of Bldg. see photoe)

Hoby of Roto-Rooter

Le: Boston Trinting

Old contaminated drainfield is not
being removed. A new drainfield is
being removed. A new drainfield is
being removed. In the back.

NDNW

+8-62-8

365

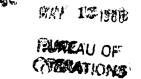
Card Made
On File X ENVIRO
None Made
OUALIT

PROWARD COUNTY ENVIRONMENTAL QUALITY CONTROL

QUALITY CONTROL	t
ATE 6/8/84 TIME COMPLAINT NUMBE	627 ER
DURCE Boston Printing Co. George Stete - owner opers 741 NW 57 Pl. Sterri	
OMPLAINANT Carl Shallenberger, Inspector for the	
DDRESS City of Ft. Lauderdale	
DDRESS	PHONE
ATURE OF COMPLAINT source dumping hazardous material int	to septic tank/drainfield.
(2) fixer - polychtome (120 in film) - Silven Mitzike (3) Kinse water (4) Line (14)	
(1) Doing have a colychrometre film - Silven Within	
(L' Dave loper - polychrome login film - Silver 18/17/2/20 & fixer - polychrome 134 (hemial no late)	
(L' Dave loper - polychrome login film - Silver 18/17/2/20 & fixer - polychrome 134 (hemial no late)	
(L' Dave loper - polychrome login film - Silver 18/17/2/20 & fixer - polychrome 134 (hemial no late)	
(L' Dave loper - polychrome login film - Silver 18/17/2/20 & fixer - polychrome 134 (hemial no late)	
(L' Dave loper - polychrome login film - Silver 18/17/2/20 & fixer - polychrome 134 (hemial no late)	
(L' Dave loper - polychrome login film - Silver 18/17/2/20 & fixer - polychrome 134 (hemial no late)	
(L' Dave loper - polychrome login film - Silver 18/17/2/20 & fixer - polychrome 134 (hemial no late)	
(L) Dave lypen - polychrometra lang film - Silven 18thrite E) fixek - polychrome 124 (hemmal no (3) Kinse water 145. (3) Assolutes into deptic - 162/1000 E) maltunetum sophe for K/dramfeld 1845	
(L) Dave lypen - polychrome (aplanshin) Silven (18/17) (hemial re) (3) Kinse water (14) (3) Lisschupes into deptic - 162/1000 (3) Inglimmetron sight for K/drain feld (18/15) (4) Inglimmetron sight for K/drain feld (18/15) (4) Inglimmetron sight for K/drain feld (18/15) (5) Inglimmetron sight for K/drain feld (18/15) (6) Inglimmetron sight for K/drain feld (18/15) (6) Inglimmetron sight for K/drain feld (18/15) (6) Inglimmetron sight for K/drain feld (18/15) (7) Inglimmetron sight for K/drain feld (18/15) (8) Inglimmetron sight for K/drain feld (18/15) (9) Inglimmetron sight for K/drain feld (18/15) (9) Inglimmetron sight for K/drain feld (18/15) (
(L' Dave lyper - polychtorne (100) Silver (14) (hemial re (3) Kinse water (14) (3) Kinse water (14) (4) discharges (14) (5) discharges (14) (6) malforne from sophe for K/dram field (14) (8) malforne from sophe for K/dram field (14) (9) (15) the complainant appear in court? Yes (1) No (date) ACTION TAKEN	(signature)
(L) Dave lypen - polychrome (Log langer) (3) KINSE water (14) (3) KINSE water (14) (4) Australia septic (14) (5) Australia septic for K/drum feld (16) (6) Malfrume from sophic for K/drum feld (16) (7) The complainant appear in court? Yes (1) No (date) ACTION TAKEN No Action REFERRAL	WEATHER CONDITIONS (0-11-87) Sky (/cac/
(L) Dave lypen - polychrome (Log langer) (3) KINSE water (14) (3) KINSE water (14) (4) Australia septic (14) (5) Australia septic for K/drum feld (16) (6) Malfrume from sophic for K/drum feld (16) (7) The complainant appear in court? Yes (1) No (date) ACTION TAKEN No Action REFERRAL	(rignature) WEATHER CONDITIONS (a-1)-87 Sky (a def seem) Visibility 9000
(L) Developer - psychrome(real film) - Silven Mittick (E) fixek - psychrome 191 (The mail in (The	(signature) WEATHER CONDITIONS (6-1/-84) Sky
(L) Developer = plychrome(reckn film) Silver 18/12/C (hemical in the fixer - plychrome 134 (hemical in the fixer)	(signature) WEATHER CONDITIONS (b-1/-87 Sky. (loadly satisfy) Visibility 9007. Wind SE
(L) Developer = plychrome(refin film) Silven Mittel (C) fixed = plychrome 131 (hemial in 14) (he	(signature) WEATHER CONDITIONS (a-1/-84 Sky. (/cucly setmin) Visibility (900) Wind Direction

	INSPECTOR'S REPORT
IME ON PREMISES: IN:	08457710UT: 1100 MM DATE: GUNE 11, 1987
STATEMENT OF SOURCE:	
- · · · - · · - · · · ·	
anie	
(le	(signature)
SPECTOR'S FINDINGS/REC	
w 6000 1	mr) - met w/ George Sepan owner of Company 1
	e sandary wister processing waste discharges, tank I drawford system I about a gensephera.
m front of	13/19 see protect for detail & open drawfold see
11 11 <u>214 S. 3</u>	ex detail, he infermed me that septic lank system
huc heen	inulfunction since 6-8-84 the process waste is
Minch for	on Commence / printing Developer fixer hardens
& NIMSE WA	The Commence printing: Developer, fixer transleter, these chemicals are consider toxic / herarde
waste must	inal:
6 12 84 (1120-114	1783) - warning notice issued to owner to contact
weer sec	then of proposal plan for remedial action.
754-1500 - 1500 MARIE 11 1500	yes) - open drain field & septic still present. (hloriday)
-28-24 - open dra	infield & septic tank see photo it a fee defail.
(30-12WHR()	
6 29.84(0825/185) - (inversation w/ Rudy De Berkhofis revocated was fewerell
is actively	niversation w/ Rudy De Benchofis revailed was tempted handling compliance. see a toched Le Her date
6-26-81	
1/2-84 (1553-1430/12	s) - unearthed septic & overflowing drainfield absence
7-17-8-4 - Citation	issued for General discharges
	the state of the s
77	2-17-01
MPLAINANT NOTIFIED 7	
SE CLOSED 7:12: 84	P.R. Military

بدني



HOLLINGSWORTH SOLDERLESS TERMINAL COMPANY FEASIBILITY STUDY FINAL REPORT

MAY 5, 1986

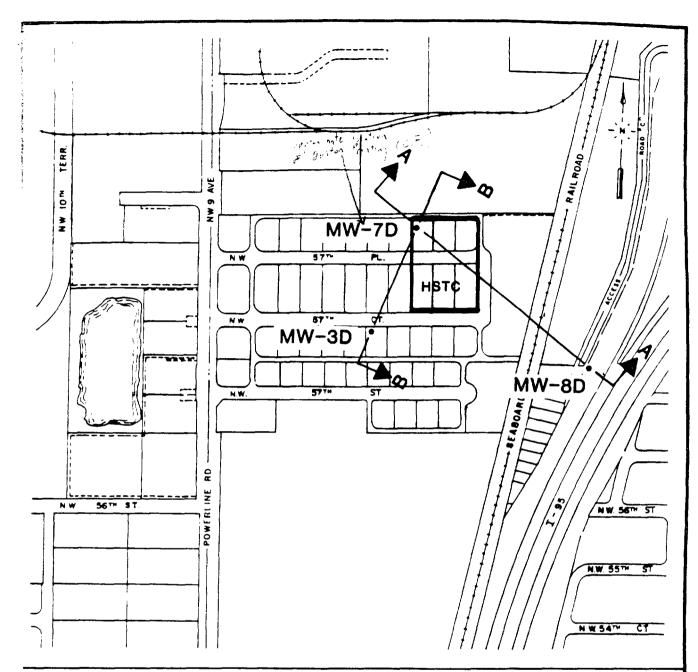
DOCUMENT CONTROL NUMBER 119-FS1-RT-CMCF-1

PERFORMANCE OF REMEDIAL RESPONSE ACTIVITIES AT UNCONTROLLED HAZARDOUS WASTE SITES

U.S. EPA CONTRACT NO. 68-01-6939

CAMP DRESSER & MCKEE INC.

ROY F. WESTON, INC.
WOODWARD-CLYDE CONSULTANTS
CLEMENT ASSOCIATES, INC.
ICF INCORPORATED
C. C. JOHNSON & ASSOCIATES, INC.



100

LEGEND

MONITOR WELL

SCALE: 1" \$ 400'

REM II

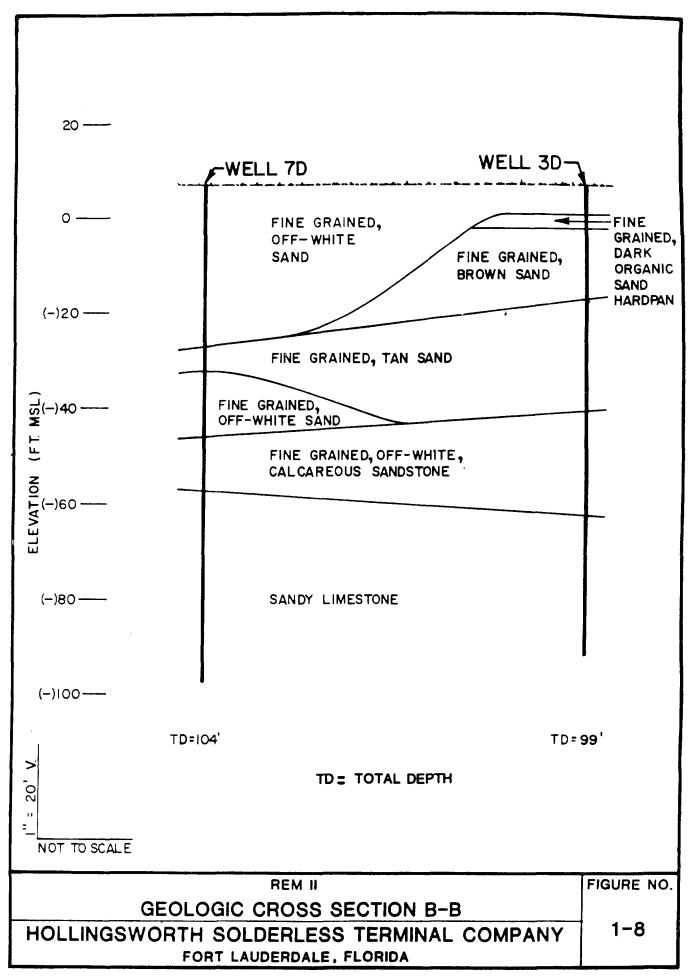
CROSS SECTION LOCATIONS

HOLLINGSWORTH SOLDERLESS TERMINAL COMPANY

FORT LAUDERDALE ORIDA

FIGURE NO.

1-6



The Biscayne Aquifer, which is a highly permeable, wedge-shaped, unconfined shallow aquifer composed of limestone and sandstone, underlies the site and is the primary source of drinking water for 3 million residents of South Florida. Both the Executive Airport and Prospect Lake wells tap the Biscayne Aquifer for water supply. The top of the aquifer is near the natural ground surface and its base is approximately 250 feet below ground surface in the area of the site. The upper 60-70 feet of the aquifer are primarily composed of fine to medium grained sands. This zone is underlain by a transition zone of cemented shell and sandstone and finally by the limestone which forms the major water producing zone of the Biscayne Aquifer. The regional direction of ground water flow is southeast.

The Atlantic Ocean is located approximately five miles to the east of the site and the Everglades lie about 10 miles to the west. Cypress Creek Canal is located approximately 1.5 miles north of the site and Middle River Canal is located about 2 miles to the south. The average rainfall for this area is approximately 60 inches per year, much of which comes in short, intense thunderstorms during the summer months. The site is located within the 100 year flood plain and is topographically flat.

Site History and Enforcement Activities

From 1968-1982, HSTC was in the business of manufacturing solderless electrical terminals, consisting of a conductive metal portion and a plastic sleeve. The terminals were designed to attach by means of crimping rather than by soldering. The manufacturing process included heat treatment in molten salts baths, degreasing, and electroplating. The primary contaminants of concern at the site include trichloroethene (trichloroethylene), vinyl chloride, trans-1,2-dichloroethene, and to a lesser extent, nickel, tin, and copper.

For approximately eight years, HSTC disposed of wash water and process wastewater contaminated with trichloroethene (TCE), and/or heavy metals into drainfields adjacent to the manufacturing plant (see Figure 2). Disposal practices at the site have been clearly documented; however, the

Mark Burker Copy of State Section 1997 Section

= :::=	Ston Printing 10.		Fan	Land FL	223 AQ
2. Address / 4/	NW 57 PL		City &		33309 Zip
Mailing Address	sanr		sa	me	**
(It different)	Street		City &	State	Zip
3. Name of Principal	George Ster	rn	PHPS.	49 Phon	7-21-1
	and to	io Carre			
4. Nature of Operati					
5. Operational Patte				_No. of Empl	oyees
ú. Process employed_	(2) silver Reove	ery units		 	
7. Processing Materi	als Used:	8. Sto	orage Tanks		
Material	Rate/Mo.	Size	Mate	rial	
					
we affach					
1 . /					
chemical List					
. Wastewater Emissi	on Points				
On Fublic Sewers:	trial Effluent & Tre	eatment Sex	tic tank to 0	_	
Disposal of Indus		eatment <u>sep</u> Developing	tic tank to 0	<u> </u>	
Disposal of Industrial Final Kilon	trial Effluent & Tre	eatment <u>sep</u> Developing	hic tank to 2	<u> </u>	
Disposal of Indus	trial Effluent & Tre	eatment <u>sep</u> Developing	hic tank to 2	<u> </u>	
Disposal of Indus	trial Effluent & Tre	eatment <u>sep</u> Developing	hic tank to 2	<u> </u>	
Disposal of Indus	trial Effluent & Tre	eatment <u>sep</u> Developing	hic tank to 2	<u> </u>	
Disposal of Indus	trial Effluent & Tre	eatment <u>sep</u> Developing	hic tank to 2	<u> </u>	
Processing Tanks	trial Effluent & Tre	eatment <u>Sup</u> Developing Lution	hic tank to 2	<u> </u>	
Processing Tanks Sludge Generated a	size Sol	eatment Sup Developing lution	hic bank to 2 Unifs Discharged to	p Permit	
Processing Tanks Sludge Generated a	size Sol	eatment Sup Developing lution	hic bank to 2 Unifs Discharged to	p Permit	
Processing Tanks Sludge Generated a	strial Effluent & Tre	eatment Sup Developing lution	hic bank to 2 Unifs Discharged to	p Permit	
Processing Tanks Sludge Generated a	nd Materials Dispos	eatment Sup Developing lution	hic bank to 2 Unifs Discharged to	p Permit	
Processing Tanks Sludge Generated a	nd Materials Dispos	eatment Sup Developing lution	hic bank to 2 Unifs Discharged to	p Permit	
Processing Tanks Sludge Generated a	nd Materials Dispos	eatment Sup Developing lution	hic bank to 2 Unifs Discharged to	p Permit	
Processing Tanks Sludge Generated a Quant/Month (8) 3544 Jane	nd Materials Dispos Type wask from De	eatment Sup Developing lution al we byok wif	hic bank to 2 Unifs Discharged to	p Permit	
Processing Tanks Sludge Generated a Quant/Month (8) 3544 Janes	nd Materials Dispos Type wask from De	eatment Sup Thereloping Intion Discourse Thereloping Discourse	hic bank to 2 Unifs Discharged to	Permit	hem wisk
Processing Tanks Sludge Generated a Quant/Month (8) 35 qu/ Jrung (44)	nd Materials Dispos Type wask from De	eatment Sup Thereloping Intion Discourse Thereloping Discourse	Discharged to Discharged to Discharged to Discharged to	Permit	hem wisk
Processing Tanks Sludge Generated a Quant/Month (8) 35 qu/ Jrung	nd Materials Dispos Type wask from De	eatment Sup Developing Intion Diversity	Discharged to Discharged to Discharged to Discharged to	Permit	frem wisk
Processing Tanks Sludge Generated a Quant/Month (8) 35 qu/ Jaun's (11) Boiler Air Emission Points	nd Materials Dispos Type wash france BTU/Hr.	eatment Sup Developing Intion Diversity	Discharged to Discharged to Discharged to Discharged to	Permit	frem wisk
Processing Tanks Sludge Generated a Quant/Month (8) 35 qu/ Jaun's (11) Boiler Air Emission Points	nd Materials Dispos Type wash france BTU/Hr.	ment Sup Developing Justion Discourse of the support of the sup	Discharged to Discharged to Discharged to Discharged to Discharged to Discharged to Discharged to Discharged to Discharged to	Permit	frem wisk
Processing Tanks Sludge Generated a Quant/Month (8) 35 qu/ Jaun's (11) Boiler Air Emission Points	nd Materials Dispos Type wash from De BTU/Hr.	ment Sup Developing Justion Discourse of the support of the sup	Discharged to Discharged to Discharged to Discharged to Discharged to Discharged to Discharged to Discharged to Discharged to	Permit	frem wisk
Processing Tanks Sludge Generated a Quant/Month (8) >5 qu/ Jrum; (11) Boiler Air Emission Points Source	nd Materials Dispos Type wash from De BTU/Hr.	ment supported by the second s	Discharged to Discharged to Discharged to Discharged to Discharged to Discharged to Discharged to	pprova/by C/	nem wisk
Processing Tanks Sludge Generated a Quant/Month (8) >5 qu/ drum; (1) Boiler Air Emission Points	nd Materials Dispos Type wash france BTU/Hr.	Mtr. HP	Discharged to Di	pprova/by C/	hem wish

. 1me in 17 20 000 Time Out 15/0 Mes

Date	4-18-85
Zone	决

والمهاج والمراجع

FACILITY INSPECTION REPORT

0

source Boston Printing Co.	Source No. 58/
Fotential Follution Emission Pts. Cont.	rol Equipment(E)/Procedures(P)
1. perior the septic and top In Use 1. perior the septic and top In Use 1. perior the septic parked of In Use 1. perior the septic parked of In Use	Not In Use Effective P Ineffective Not In Use Effective Ineffective Not In Use Effective P Ineffective
5. Hazar long assite trainiforage In Use	Not In Use
c. In Use /. In Use b. In Use	Not In Use Effective Ineffective Not In Use Effective Ineffective
comments: , net with larges a	above facility. The Domestric
sepin lance off is operational	
septic lank to ple is operational	1 & Functional. 10-12 drums
of Mazardous waste stoned in b	ack fence-in arpa.
Person Contacted: (ar/o)	Title Production 1844.
lext Contact Date: 7-18-85 Inspecto	r(s) V.K. HILLEON
rning Notice Issued: At Insp. From Of	te: REF.# fice: Date
tation Issued: At Insp. From Of	fice:Date

1-81 hev. 1. V -- 11. HT

BOB GRAHAM

ICTORIA J. TSCHINKEL

DISTRICT MANAGER

GOVERNOR

DEPARTMENT OF ENVIRONMENTAL REGULATION

OUTHEAST FLORIDA

101 GUN CLUB ROAD 0. BOX 3858 EST PALM BEACH, FLORIDA



Dept. of Environmental Reg. West Palm Beach

Dept. of Environmental Reg. West Palm Beach

APPLICATION TO OPERATE/CONSTRUCT INDUSTRIAL WASTEWATER TREATMENT AND DISPOSAL SYSTEMS

Type application:	[X] Operation	n [] Temporary	Operation	[] Construction
Source Status:	[] New	[X] Existing	2	[] Modification
Source Name: Rost				County: Broward
Source Location:	•			City:Ft. Lauderdale
	Latitude _26	<u>°12 '_0_"</u>	Longitude	<u>80°9'0"</u>
Applicant Name and	d Title: <u>Ge</u>	orge Stern (Presi	dent)	
Applicant Address	741 N.W.	57 Place. Ft.Lauc	lerdale, FL	33309

DIRECTIONS

- 1. All applicable items must be completed in full in order to avoid delay in processing this application. Where attached sheets or other technical documentations are utilized in lieu of the space provided, indicate appropriate cross references.
- Please type or print in ink.
- 3. Four (4) copies of this application and any supplemental information, and a check for the application fee in accordance with Florida Administrative Code Rule 17-4.05, made payable to the State of Florida Department of Environmental Regulation, must be submitted to the appropriate District office or approved local program.
- 4. Projects involving construction shall be accompanied by two (2) sets of engineering drawings, specifications and design data as prepared by a Professional Engineer registered in the State of Florida, where required by Chapter 471, Florida Statutes.
- 5. A map showing site location, property boundaries, layout of installation and other buildings, discharge point(s), etc., shall accompany the application. It shall also include any surface water bodies or potable water supply wells beyond the property boundaries that may be affected by a discharge plume, if any effluent is to be discharged to groundwater.
- 6. If effluent or sludges generated as wastes in the treatment process qualify as hazar-dous wastes as defined by Florida Administrative Code Rule 17-30, additional hazar-dous waste permits may be required.

DER Form 17-1.204(2) Effective November 30, 1982

Page 1 of 9

PARI 1 - 51	ATEMENTS BY APPELCANT AND ENGINEER
Applicant	
The undersigned owner or auth	orized representative* of Boston Printing Co.
permit are true, correct and ther, the undersigned agrees tion control facilities in su 403, Florida Statutes, and al a permit, if granted by the d	ments made in this application for a <u>Industrial Waste Disp</u> complete to the best of his knowledge and belief. Furto maintain and operate the pollution source and polluch a manner as to comply with the provisions of Chapter 1 the rules of the department. He also understands that epartment, will be non-transferable and he will promptly le or legal transfer of the paraitted establishment.
	Signature of the owner or authorized representative
	George Stern (President) Name and Title (Please type)
	Date: 4-11-85 Telephone No. 491-2121
tach letter of uthorization	
•	red in Florida (where required by Chapter 471, F.S.)
have been designed/examined bing principles, applicable to in the permit application. ment, that the pollution con will discharge an effluent the florids and the rules of the authorized by the owner, will	engineering features of this pollution control project by me and found to be in conformity with modern engineer— the treatment and disposal of pollutants characterized There is reasonable assurance, in my professional judg—trol facilities, when properly maintained and operated, at complies with all applicable statutes of the State of department. It is also agreed that the undersigned, if it furnish the applicant a set of instructions for the ion of the pollution control facilities and, if applica— Company Name: Heller-Weaver and Cato, Inc.
The state of the s	
e (please type) yarry wollar	Address: 5667 Coral Gate Blvd.
e (please type <u>Henry Heller</u> rida Registration No. 17502	Address: <u>5667 Coral Gate Blvd.</u> Margate, FL 33063

1R Forπ 17-1.294(2) fective November 30, 1982 Page 2 of 9

(Affix Seal)

Telephane No. 979-0550

Date: 4-11-85

Per	nit No. Fl: Issue Date Expiration Date
	Indicate EPA-NPDES permit, effective date and expiration date.
	There is no area planning for wastewater treatment.
	part of an area wide wastewater treatment system.
ε.	Indicate the relationship between this project and area regional planning for waste water treatment. List steps to be taken for this industrial waste facility to become
٥.	For this source indicate any previous DER permits; issuance dates, and expiration dates; and orders and notices. N/Δ
	Silver Recovery Unit
	Cost Breakdown
С.	Cost of Construction (Show a breakdown of costs for individual components/units of the project serving pollution control purposes only). Information on actual cost shall be furnished with the application for operation permit.
	Completion of Construction (Date):
	Start of Construction (Date):
в.	Construction schedule, if applicable. $ m N/A$
	Discharging of treated liquid industrial waste water by the drainfield method.
Α.	Describe the nature and extent of the project. Refer to existing pollution controfacilities, expected improvements in performance of the facilities and state whether
	PART II - DETAILED DESCRIPTION OF SOURCE

Effective November 30, 1982 Page 3 of 9

PART III - INDUSTRIAL WASTEWATER TREATMENT PROCESS

	General						
	1.	Type of Industry Printing Co.					
	2.	SIC Code					
	3.	Raw Materials and Chemicals Used <u>See Attached Sheet on Raw Material</u>					
	4.	Production Rate N/A tons/day, lbs/day, etc.					
	5.	Normal Connetice 12 They /Days					
		hrs./day, days/week					
	6.	If operation is seasonal, explain N/A					
		cribe wastewater treatment process and identify treatment units.					
		SM-75 SM-1000					
,	Lis	t sludge or slurry treatment units.					
		udge dispose by Waste Management of Florida.					
٠	ult Sli Was	cribe volume, composition and disposal method of sludge. Identify location(s) of imate disposal. And the disposal of the substitution of the subs					
	Met	hod(s) and Location(s) of Flow Measurement.					
	Flo	by gravity.					
٠.	cie	cribe practices to be followed to ensure adequate waste treatment during emergen- s such as power loss and equipment failures causing shut down of pollution abate- t equipment of the proposed/permitted facilities.					
	No	waste discharge when power breakdown.					
3.	lab rat	oratory: List tests for which equipment/chemicals are provided, or contract labo- ory to perform analysis.					
	Bro	ward Testing.					
		m 17-1.204(2) ve November 30, 1982					

PART IY - INDUSTRIAL WASTEWATER CHARACTERISTICS

Information furnished in this section for construction permit shall be based on reasonable prediction and good professional judgment. However, actual data shall be submitted when applying for an operation permit. Note: If there is more than one discharge point, submit the following data for each point.

0015_MGD	.0015 MGD		.0015		
Average	Maximum		Design		
Water Quality Characteristics of E	Effluent				
PARAMETER		CONCENTRATION (note unita)			
Broward Testing Laboratory, Inc.re	ì	M = J =	70 4 1		
ganic:	Minimum	Maximum	30-day Average		
volatile or purgeable					
base/neutral extractable					
acid extractables					
total organic carbon (TOC)					
biological oxygen demand (800)					
organic					
heavy metals					
major ions					
ysical					
рН					
specific conductivity					
temperature					
suspended solids					
			 		

DER Form 17-1.204(2) Effective November 30, 1982

Page 5 of 9

PART Y - EFFLUENT DISPOSAL

	mediate receiving body of water (RBW):	
	Name	
ь.	Type of receiving water: [] Fresh [] Sa.	it or prackish
	[] Drainage Ditch [] Landlocked [
	[] Creek [] Tidal Estue	ry
c.		
d.	Minimum 7-day 10 year low flow of the RBW at priate):cfs	the discharge point (if appro-
٥.	Identify and describe the flow of effluent for major body of water. A suitably marked map of	
Out	tfall Information:	
a .	Discharge location:	
	Latitude * *N Longitude *	
ь.	Design configuration and construction material	ls:
e .	Elevation of discharge invert:	MSL
f.	Receiving water bottom depth at point of disc	harge:MSL
		. Code Rule 17-4.244)? If yes,
ff1	luent is discharged to groundwater, complete the	e fallowing:
0is;		colation/Evaporation Pond
	[] Rapid Rate	bination (specify) er (specify) <u>Drainfield</u>
17	7-1.204(2)	
•	d. e. Ou a. b. c. d. f. Dofo	[] Caneal [] Tidal Estus [] Creek [] Tidal Estus [] Other (Specify) c. Classification of receiving water (in accordance described and flow of the RBW at priate):

	Ownership of land (if different from applicant): Marie LeLash Attach approval from owner for use of land for effluent disposal. 5100 N. Ocean Blvd. Apt. 709H, Ft. Lauderdale, FL 33308 Describe the hydrology and geologic structures of the affected area, using si specific information, including the general vertical and lateral limits of eaclassification of groundwater. (Maps and cross sections are suggested.) See Florida Testing report on Percolation test/soil classification report.
•	What is the direction of groundwater flow? Westerly
	Water table levels generally range from a high of 3 feet to a low of 3.5 feet below average land surface elevation.
	Surface or sub-surface irrigation:
	a. Description of disposal structure(s). Drainfield 1000 sq. ft.
	b. Area under irrigation; total N/A per rotation.
	Latitude 26 ° 12 ' 0 "N Longitude 80 ° 9 ' 0 "W
	c. Irrigation rate: N/A
	d. Percolation rate: <u>57 seconds per inch</u>
	e. Ultimate disposal of surface/sub-surface runoff: Groundwater
	f. Type of cover crop and general routine operation of the system: 1 Bermuda grass.
•	Surface Impoundments: N/A
	a. Number of cells and latitude and longitude of each.
	b. Bottom area of cells:ft ² acres
	c. Design depth of water in cells:ft
	d. Cell configuration (if rectangular): Lengthft; Widthft
	e. Average hydraulic loading rate:inches/day GPD/ft ²
	f. Hydraulic loading period:days; resting perioddays
	g. Percolation rate:gpd/ft ²
٠.	Number and location of monitoring wells: Proposed 2 wells see plan for loc

ADDITIONAL DATA FOR TEMPORARY OPERATION PERMIT (For Existing Sources Not Meeting Department Standards)

Justification for Temporary Operation Permit Request

Attach additional sheets responding to the following items:

- 1. The facts and reasons which support that:
 - a. the applicant has a waste for which no feasible and acceptable method of treatment or disposal is known and the applicant is making a bona fide effort through research and other means to discover and implement such a method;
 - b. the applicant needs permission to pollute the waters within the state for a period of time necessary to complete research, planning, construction, installation or operation of an approved abatement facility or alternate waste disposal system;
 - c. there is no present reasonable, alternative means of disposing of applicant's waste other than by discharging into waters of the state;
 - d. the denial of a temporary operation permit would work an extreme hardship upon the applicant;
 - e. granting of a temporary operation permit will be in the public interest;
 - f. the schedule for meeting compliance in C. is reasonable;
 - g. the discharge will not be unreasonably destructive to the quality of the receiving waters.

Technical Data:

I.	Condition	o f	receiving	body	o f	water:	

2.	Proposed	Time	Discharge	is	Required:	
----	----------	------	-----------	----	-----------	--

J. Reasons for Time Required:

4. Reasons why conditions of Chapter 403, F.S., and Florida Administrative Code Rules 17-3, 17-4 and 17-6 have not been met:

R Form 17-1.204(2) fective November 30, 1982 Page 8 of 9

•	Plan 17-6	ns for meeting full compliance with Chapter 403,	F.S., and Rul	es 17-3, 17-4 an						
	Schedule of Increments of Progress to meet compliance:									
	1.	Date when planning is expected to be complete	-							
	2.	Date when engineering will be complete								
	3.	Date construction application will be submitted upgrade or replace the existing plant or build 1 station and force main to phase out the present cility	ift							
	4.	Date contract will be let	_							
	5.	Date construction will commence	-							
	6.	Date construction is to be complete and so certi	fied							
		Date that wastewater collection/transmission/trement/effluent disposal systems will be certified compliance" with your permit								
		(cross out inappropriate components)								
	Who will be responsible for overseeing that the above time schedule will be met?									
	NAME									
		(Print or type)								
	TITLE									
	ADDRESS									
	TELE	PHONE NUMBER								
		Signature								
		Date								

DATE:

2/12/85

T0:

G. Riley

FROM:

3. Kester (PV

SUBJECT:

Boston Printing Co.

We are in the process of licensing the subject hazardous material facility located at 741 MW 57th Pl., Ft. Lauderdale. Cur records show no testing of their effluent has ever been done by EQCB. Broward Testing Lab results show trace amounts of most VOC's (aggregate total 7.7 ug/l) and -0.01 mg/l of silver.

Silver and chloroform are the two most likely pollutants.

Would appreciate it if you could sample their effluent and test for VOC's and metals.

They discharge 1500 GPD to a new 1000 SF drainfield.

BK/1r

EXCEPT: COLIF/100ml - TEMP. (F&C) - TURB. (JTU) - ODOR

PC 427

Hotel Famer. 1030

pH 8.7 16

BOTTLE
NUMBER 34051A 34051B

SAMPLE
VOLUME 500MB 3×40MB.

(Rek 601964)
LAB TESTS Aq. Pung Org.

PRESERVATIVE HNO3

ZUE

Ici.

TO DIRECT THE TRANSPORTED TO

REGION: 04 STATE : FL

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF EMERGENCY AND REMEDIAL RESPONSE C E R C L I S V 1.2

PAGE: 157 RUN DATE: 03/25/87 RUN TIME: 11:40:14

M.2 - SITE MAINTENANCE FORM

		* ACTION: _			
EPA ID : FLD073869414					
SITE NAME: BOSTON PRINTING CO., INC.	SOURCE: R	*			_
STREET : 741 N. W. 57TH PLACE	CONG DIST: 17	•		_	
CITY : FT. LAUDERDALE	ZIP: 33309 * _			-	*
CNTY NAME: BROWARD	CNTY CODE : 011	•	 		
LATITUDE : 26/12/00.0	LONGITUDE : 080/09/00.0	*//			//
LL-SOURCE: R	LL-ACCURACY:	• _			_
SMSA : 2680	HYDRO UNIT: 03090202	*			
INVENTORY IND: Y REMEDIAL IND: Y REM	IOVAL IND: N FED FAC IND: N	* _	_	_	_
NPL IND: N NPL LISTING DATE:	NPL DELISTING DATE:	^ _		/	
SITE/SPILL IDS:		*			
RPM NAME: DENISE BLAND	RPM PHONE: 404-881-2234	*			
SITE CLASSIFICATION:	SITE APPROACH:	• —			
DIOXIN TIER: REG FLD1:	REG FLD2:	*			_
RESP TERM: PENDING () NO FURTHE	R ACTION ()	* PENDING (_)		NO FURTHER AC	TION (_)
ENF DISP: NO VIABLE RESP PARTY () ENFORCED RESPONSE ()	VOLUNTARY RESPONSE () COST RECOVERY ()	* = =			
SITE DESCRIPTION:					
THE FACILITY IS USED TO PRODUCE PHOTOG	RAPHIC PRINTS USING	A			
POLYCHROME FILM, SILVER NITRATE, AND O	THER DEVELOPING CHEMI-	*			
CALS. PRIOR TO JULY 1982, IT WAS A ST	ORAGE FACILITY FOR HOL				
LINGSWORTH SOLDERLESS TERMINAL CO. (HS	TC).	*			

1

REGION: 04 STATE : FL

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF EMERGENCY AND REMEDIAL RESPONSE C E R C L I S V 1.2

PAGE: 158
RUN DATE: 03/25/87
RUN TIME: 11:40:14

M.2 - PROGRAM MAINTENANCE FORM

				*	ACTION: _
SITE:	BOSTON PRI	TING CO., INC.			
EPA ID:	FLD0738694	PROGRAM CODE: H01	PROGRAM TYPE:	*	_ *
PROGRAM	QUALIFIER:	ALIAS LINK :		*	<u> </u>
PROGRAM	NAME:	SITE EVALUATION		*	
DESCRIPT	ION:				
				*	
				•	
				A	
				*	

)

REGION: 04 STATE : FL

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF EMERGENCY AND REMEDIAL RESPONSE C E R C L I S V 1.2

PAGE: 159 RUN DATE: 03/25/87 RUN TIME: 11:40:14

M.2 - EVENT MAINTENANCE FORM

			* ACTION: _		
SITE: BOSTO PROGRAM: SITE	N PRINTING CO., INC. EVALUATION				
EPA ID: FLD07	3869414 PROGRAM CODE: H01	EVENT TYPE: DS1			
FMS CODE:	EVENT QUALIFIER :	EVENT LEAD: S	• _		_ *
EVENT NAME:	DISCOVERY	STATUS:	*		-
DESCRIPTION:					
			*		
			*		
			•		
			*		
ORIGINAL	CURRENT	ACTUAL			
START:	START:	START:	*//	//	_/_/_
COMP :	COMP :	COMP : 09/30/85	·//	_/_/_	_/_/_
HQ COMMENT:					
			*		
RG COMMENT:					
COOP AGR #	AMENDMENT # STATUS	STATE %			
		0	*		

REGION: 04 STATE : FL

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF EMERGENCY AND REMEDIAL RESPONSE C E R C L I S V 1.2

PAGE: 160 RUN DATE: 03/25/87 RUN TIME: 11:40:14

M. 2 - EVENT MAINTENANCE FORM

			* ACTION: _		
SITE: BOSTO PROGRAM: SITE	N PRINTING CO., INC. EVALUATION				
EPA ID: FLD07	3869414 PROGRAM CODE: H01	EVENT TYPE: PA1			
FMS CODE:	EVENT QUALIFIER :	EVENT LEAD: S	* _		
EVENT NAME:	PRELIMINARY ASSESSMENT	STATUS:	*		-
DESCRIPTION:					
			*		
			*	· · · · · · · · · · · · · · · · · · ·	······································
			*		
ORIGINAL	CURRENT	ACTUAL			
START:	START:	START: 09/30/85	*//	_/_/_	_/_/_
COMP :	COMP :	COMP : 09/30/85	· _/_/_	_/_/_	_/_/_
HQ COMMENT:					
RG COMMENT:			*		
			*		
COOP AGR #	AMENDMENT # STATUS	STATE %			
		0	*		

REGION: 04 STATE : FL

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF EMERGENCY AND REMEDIAL RESPONSE C E R C L I S V 1.2

PAGE: 161 RUN DATE: 03/25/87 RUN TIME: 11:40:14

M.2 - EVENT MAINTENANCE FORM

			* ACTION: _		
SITE: BOSTO PROGRAM: SITE	N PRINTING CO., INC. EVALUATION				
EPA ID: FLD07	3869414 PROGRAM CODE: H01	EVENT TYPE: SI1			
FMS CODE:	EVENT QUALIFIER :	EVENT LEAD: S	* _		_
EVENT NAME:	SITE INSPECTION	STATUS:	A		_
DESCRIPTION:					
			<u> </u>		
			*		
			*		
			*		
ORIGINAL	CURRENT	ACTUAL			
START:	START:	START: 06/16/86	*//	//	_/_/_
COMP :	COMP :	COMP : 06/16/86	· _/_/_	_/_/_	_/_/_
HQ COMMENT:					
			*		
RG COMMENT:					
COOP AGR #	AMENDMENT # STATUS	STATE %			
		0			

BOSTON PRINTING CO., INC. FLD073869414 PRELIMINARY ASSESSMENT

- A. SITE DESCRIPTION. Boston Printing Co. is located in a commercial/industrial area at 741 N.W. 57th Place, Fort Lauderdale, Broward County, Florida. The facility has produced photographic prints using polychrome film, silver nitrate and other developing chemicals at the site from July 1982 to the present. Prior to July 1982, the building was a storage facility for Hollingsworth Solderless Terminal Co. (HSTC). An adjacent HSTC building is a Superfund site under cleanup by the USEPA.
- B. DESCRIPTION OF HAZARDOUS CONDITIONS, INCIDENTS AND PERMIT VIOLATIONS.

 There are a variety of chemicals used in the photographic developing process. Material Safety Data Sheets from the manufacturer indicate that a number of these chemicals may be disposed of down the drain with plenty of water. Some of these chemicals contain irritating compounds in small percentages.

During 1984, there were repeated warnings and a Notice of Violation to Boston Printing by BCEQCB(Broward County Environmental Quality Control Board) because of a failed drainfield. Wastes from the developing process are piped to this drainfield. The actual hazard which this posed is uncertain because no samples were collected of the ponded water on the drainfield. 1985 sampling of the effluent to the drainfield did detect chloroform, methylene chloride and bromodichloromethane in significant concentrations.

Presently, Boston Printing is in the process of applying for a license to build a new treatment system. This will include a silver recovery unit, a sludge holding tank and a 1,000 square foot drainfield.

- C. NATURE OF HAZARDOUS MATERIALS. Most of the materials at the site pose minor hazards. Many can be disposed of down the drain, if sufficient dilution occurs. However, chloroform found in the effluent stream is toxic, as is methylene chloride. In addition, the developer is flammable, and one of the replenisher liquids used in the developing process is a strong irritant to eyes.
- D. ROUTES OF CONTAMINATION. Possibles routes of contamination include drinking water, groundwater used for irrigation purposes and surface water. Direct contact with the hazardous wastes is likely for workers only, since access to the site is restricted.
- E. POSSIBLE AFFECTED POPULATIONS AND RESOURCES. Residents are provided with drinking water from the city of Ft. Lauderdale Executive/. Prospect wellfield which is a shallow, unconfined, sole-source aquifer. The site is 2,500 feet east of the eastern edge of this wellfield. Potential contamination of the groundwater, as a result of drainfield failure, could reach the drinking water wells.

Run-off of standing water as a result of drainfield failure may have contaminated storm sewers, or even a nearby (1,000 feet) lake. Lake contamination would effect aquatic flora and fauna as well as recreational users.

Workers may be exposed to irritating chemicals during manufacturing and there is a small potential for fire.

F. RECOMMENDATIONS AND JUSTIFICATIONS. The chemicals discharged to the drainfield at this site are hazardous. There has been discharge of this poorly characterized waste to the ground for at least 3 years. In addition, the site was owned by Hollingsworth Solderless Terminal Company prior to 1982, and it is not known if they contaminated this site. It appears from a recent wastewater treatment and disposal permit application that the company is anxious to correct past problems. A medium priority for inspection is recommended.

POTENTIAL HAZARDOUS WASTE SITE

I LIDEN	MEICATION
CISIA	E OZ SITE NUMBER
FL	D073869414

WEFA	PRELIMINA PART 1 - SITE INFOR			MENT	FL D	073869414
IL SITE NAME AND LOCATION						
O1 SITE NAME (Legal, common, or descriptive name of seal		02 STREE	T, ROUTE NO , C	OR SPECIFIC LOCATION	NIDENTIFIER	
Boston Printing Co., Inc			N.W. 57t			
Ft. Lauderdale		FL FL	33309	Broward		07 COURT 108 CORE COOR 0157 011 17
00 COORDINATES LATITUDE	LONGITUDE		<u> </u>	<u> </u>		
<u>2612000</u>	8009000					
at Cypress Creek Road and h Powerline Road. Proceed so on the north side of the ro Powerline Road.	ead west to th uth 1/4 mile t	e inters o NW 571	section o th Pl. an	of Cypress C nd turn left	reek Roa . Bosto	d and n Printing i:
III. RESPONSIBLE PARTIES						
01 OWNER IS known		1	(Busmess, many,			
Boston Printing Co., Inc	•	741	l N.W. 57	th Place		
Ft. Lauderdale		FL FL	33309	(305) 491		
07 OPERATOR (# Anome and different from energy		OB SINEE	(Business, making,			
George Stern (Pres.)		741	L N.W. 57	th Place		
09 CITY		POSTATE	I I ZIP CODE	12 TELEPHONE	NUMBER	
Ft. Lauderdale		FL	33309	(305) 491-	2121	
13 TYPE OF OWNERSHIP (Chace one)		,,L	_		_ 	
🛛 A. PRIVATE 📋 B. FEDERAL!	/Appncy name)	<u></u>	C. STAT	E GD.COUNTY	TE. MUNIC	CIPAL
☐ F OTHER	(SCOCKY)		O G. UNKI	NOWN		
14 OWNER/OPERATOR NOTIFICATION ON FILE (Crock of In						
A RCRA 3001 DATE RECEIVED: 03/ 05	85 B UNCONTRO	LLED WASTE	SITE ICERCLA 10	Ja DATE RECEIVE	D MONTH DAY	TEAR TO NOME
IV. CHARACTERIZATION OF POTENTIAL HAZ						
OF ON SITE INSPECTION	BY (Check of that epole)				n 011150 00	WIDACION.
DAYES DATE 8 27, 85	☐ A. EPA ☐ B. EI☐ E. LOCAL HEALTH OF	PA CONTRAC FICIAL 🔞	F. OTHER:		о.отнепсо ward Cou	
See Attachment A	CONTRACTOR NAME(S):			, c		•
2 SITE STATUS (Creet one)	03 YEARS OF OPE					
MA ACTIVE OB, INACTIVE OC. UNKNO	ww _ <u>J</u>	ULY 198			иикиоми	
The developing chemicals in and skin irritants. Discha methylene chloride. These	clude flammable	site dra	infield	contains ch	loroform	n are eye and some
Discharge of effluent conta to groundwater quality, and Prospect wellfield. In add may have contaminated nearb	ining toxic org to the quality ition, ponding	y of wat of the	er drawn	from the no	earby Ex	ecutive/
FRIORITY ASSESSMENT						
PRIORITY FOR INSPECTION (Chock one if high or insertion is an ID A. HIGH Sequent compile) 38 MEDIUM Inspection (sequent compile)	C. LOW	imialani and Parl 3	O O NONE			Degran /
LINEGRMATION AVAILABLE FROM						
CONTACT	C2 OF IAgency-Cipens	I primali			;3	TELEPHONE NUMBER
Eric Nuzie	We FDER				i 9 (04:488-0190
PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	DR ORGANIZ	ALION	DZ TELEPHONE N	UMBER DB C	
Willard Murray	N/A	E.C. J	ordan Co	. 1207 1775-	5401	<u>.09</u> <u>.09</u> .35

FOA	

POTENTIAL HAZARDOUS WASTE SITE

LIDENTIFICATION
OF STATE , CZ SITE NUMBER
. Et

				LASSESSMENT EINFORMATION		FI	D07	3869414
II. WASTE	STATES, QUANTITIES, AN	ND CHARACTER	IISTICS		·····			
E7 A. SQLID	DER, FINES (芬 F LIQUID DE (J G GAS	enot	Unknown 8	OJ WASTE CHARACT I B A TOXIC II B CORRO II C RADIOA II O PERSIS	SIVE STAFF	SOLUBLE & I HIGHLY VOLATILE THEFOTHOUS DI EXPLOSIVE I FLANMABLE LI K REACTIVE I KHITABLE DI NOTAPPLICABLE		ISIVE TIVE IPATIBLE
III. WASTE		1			·		······································	
CALEGORY	SUBSTANCE N	AME	LOT CBOSS AMOUNT	C2 UNIT OF MEASURE	O3 COMMENTS			
SLU	SLUDGE		Unknown					
OLW	OILY WASTE							
SOL	SOLVENTS	· 					· · · · · · · · · · · · · · · · · · ·	
PSD	PESTICIDES					<u></u>		,,,,,
occ	OTHER ORGANIC CH	EMICALS						
100	INORGANIC CHEMICA	ALS						
ACD	ACIDS							
8 A 5	BASES		Unknown					
MES	HEAVY METALS		Unknown	1				
V. HAZARD	OUS SUBSTANCES 1500 AGE	rends for most treguent	v case CAS Mumbers)					OR MEASURE
1 CATEGORY		ME	03 CAS NUMBER	OASIOPAGE NO	OSAL METHOD	1 05 00 00	ENTRATION	CONCENTRAL
MES	Silver		7440-22-4	LM-septic		ļ		<u> </u>
OCC	N-propanol		71-23-8	LM-septic		ļ		
occ	Benzyl Alcohol		100-51-6	LM-septic		-		<u> </u>
OCC	Hydroquinone		123-31-9	LM-septic ¹				
BAS	Potassium Hydro	oxide	1310-58-3	LM-septic	·	 		1
						 		}
						<u> </u>		
	······································					!		
							 -	
						!		
						<u> </u>		
								
								~
							!	
	KS (See Appendix for CAS Numbers)	NA		0.115000	21.55555	CV NALIE		UZ CAS HUMBLI
CALEGORY	OTFEEDSTOCKN	AME	dZ CAS NUMBER	CATEGORY	OIFEEDSIC			
FDS				FOS				
FOS				FDS	 			
	1 .			FDS				
FDS FDS		l l						

EPA FORM 2010-12 (7 81)

These chemicals are contained in the Replenishing and Fixing Solutions used in the manufacturing process.

SEPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

I. IDEN	NEICATION
OI STATE	02 SITE NUMBER D073869414

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

IL HAZARDOUS CONDITIONS AND INCIDENTS
OI S A GROUNDWATER CONTAMINATION OF CONT
OIMS SURFACE WATER CONTAMINATION 10,000+ 02 (TOBSERVED (DATE:) & POTENTIAL DALLEGED OF POPULATION POTENTIALLY AFFECTED: 10,000+ 04 NARRATIVE DESCRIPTION Potential leaks in the effluent piping system could lead to surface spills which in turn could impact a pond 1,000 feet from the site. Past malfunctioning of the drainfield system has also caused standing water on-site. No surface water samples have been collected.
OF C. CONTAMINATION OF AIR OF OPENTIAL OF ALLEGED OF POPULATION POTENTIALLY AFFECTED: OF ANARATIVE DESCRIPTION Remote Potential - only small volumes of volatile compounds are used in processing at the site.
01 03 D FIRE/EXPLOSIVE CONDITIONS 1-100 02 D OBSERVED (DATE: 1 TOKPOTENTIAL D'ALLEGED 04 NARRATIVE DESCRIPTION
There are some flammable chemicals used in the developing process but the overall fire hazard is small, and only workers would be endangered.
O3 POPULATION POTENTIALLY AFFECTED: 1-100 O4 NARRATIVE DESCRIPTION Workers come in contact with irritating, flammable processing chemicals during film developing. The general public may contact potentially contaminated groundwater for irrigation, surface waters and drinking water.
01 Ø F CONTAMINATION OF SOIL CO.5 02 © OBSERVED IDATE: 1 XX POTENTIAL © ALLEGED 04 NARRATIVE DESCRIPTION
Overflows of the on-site drainfield in the summer of 1984 saturated soils with wastewater containing up to 47 mg/l chloroform and 9.6 mg/l methylene chloride (BCEQCB 2/12/85). No soil samples have been taken.
OIEG DRINKING WAIER CONTAMINATION 10,000+ 0211085ERVED (DATE:
OF IN WORKER EXPOSURE/NUMBER 1-100 OF CLOSSERVED IDATE:
01 IXI COPULATION EXPOSURE/INJURY 10,000+ 02 LI OBSERVED (DATE.) DE POTENTIAL CE ALLEGED 04 NARRATIVE DESCRIPTION
Access to the area where drums of photograph processing chemicals are stored is restricted by a fence. The general public may be exposed if groundwater or surface water is contaminated.

SEPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

ART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

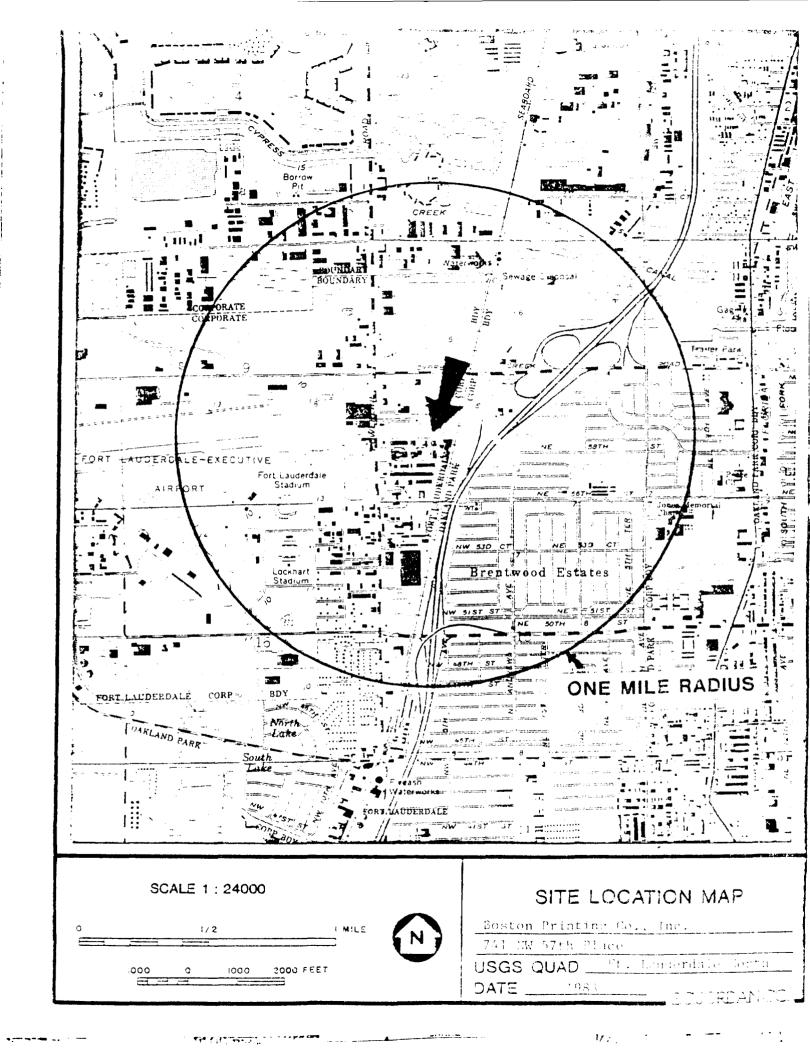
I. IDENTIFICATION
OF STATE OF SIZE NUMBER
FL D073869414

The second from the second frow the second from the second from the second from the second fro	P HAZARDOUS CONDITIONS AND INC		
IL HAZARDOUS CONDITIONS AND INCIDENTS (Compress	,		
01 D J. DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION	02 OBSERVED (DATE:	D POTENTIAL	☐ ALLEGED
Remote Potential - chemicals on-s damage has been reported.	ite pose only minor hazard	s to plant life.	No .
01 (T) K. DAMAGE TO FAUNA 04 NARRATIVE DESCRIPTION (Include numeral of Educate)	02 C OBSERVED (DATE:) DOIENTIAL	□ ALLEGED
Remote Potential - chemicals on-swas reported on-site.	ite pose minor hazards to v	wildlife. No wil	ldlife
이 집 L. CONTAMINATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION	02 D OBSERVED (DATE:) B POTENTIAL	☐ ALLEGED
Chemicals at the site in general of silver to accumulate in the food of exposure to silver is unlikely.	do not bioaccumulate. The chain, but the paucity of a	re is a potentia. area wildlife mea	l for ans that
01 & M. UNSTABLE CONTAINMENT OF WASTES	02 Ø OBSERVED (DATE: 6/8/84) DOTENTIAL	□ ALLEGED
The industrial drainfield on-site No tests were made on the standing application has been filed to inst	g water or soil. BCEQCB is	ssued an NOV on 7	7/12/84. An
01 (1 N. DAMAGE TO OFFSITE PROPERTY 04 NARRATIVE DESCRIPTION	02 OBSERVED (DATE:) D POTENTIAL	□ ALLEGED
None reported			
01 TI O. CONTAMINATION OF SEWERS, STORM DRAINS, WW. 04 NARRATIVE DESCRIPTION	TIPS 02 D OBSERVED (DATE:) DPOTENTIAL	☐ ALLEGED
None reported. However ponding du storm sewers.	ue to the drainfield failum	re may run off to) the
01 [] P. ILLEGAL/UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION	02 OBSERVED (DATE:	_) D POTENTIAL	☐ ALLEGED
None reported			
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR AL	LEGED HAZARDS		
None known			
IL TOTAL POPULATION POTENTIALLY AFFECTED:1	0,000+		
V. COMMENTS			
Samples of the effluent have been methylene chloride (9.6 mg/l) chlo (11.4 mg/l). Other sampling found BCEQCB memo directs that effluent	taken by BCEQCB (2/12/85). Proform (47 mg/l) and brome no problems. No samples to the drainfield be sample	Results included included included included included silver ed every month.	A 4/1/85
. SOURCES OF INFORMATION (Che southit references, e. p., Made III	es, sample analysis, regard)		
See attached reference list.			

ATTACHMENT A BOSTON PRINTING CO., INC. FLD073869414

ON-SITE INSPECTIONS

<u>Date</u>	Agency	Samples	Comments	
8/27/85	E.C. Jordan Co. (for FDER)	No	A windshield survey (off-site inspection) found no problems.	
6/12/85	BCEQCB	Yes-effluent	No violations detected.	
4/18/85	BCEQCB	No	No violations detected.	
3/14/85	BCEQCB	Yes	The effluent contained Chloroform = 30 mg/l.	
2/12/85	BCEQCB	Yes	The effluent contained Chloroform = 47.0 mg/1, Methylene chloride = 9.6 mg/1, Bromodichlorometha = 11.4 mg/1.	
8/14/84	Broward Testing Laboratory	Yes	No violations detected.	
7/23/84	Broward Testing Laboratory	Yes	No violations detected.	



REFERENCES

- 1. Environmental Protection Agency, Federal Register, National Oil and Hazardous Substances Contingency Plan, Part V, July 16, 1982.
- 2. Farm Chemicals Handbook, Willoughby, OH: Meister Publishing Company, 1982.
- 3. Florida Department of Environmental Regulation, The Sites List, Summary Status Report, July 1, 1983 June 30, 1984.
- 4. Florida Department of Environmental Regulation, 3012 Folder, 2600 Blairstone Road, Tallahassee, Florida. To be used for completion of Preliminary Assessment, Form 2070-12.
- 5. <u>Health and Safety Plan</u>, <u>Florida 3012 Program</u>, E.C. Jordan Co., June 1984.
- 6. Healy, Henry G., 1977, Public Water Supplies of Selected Municipalities in Florida, 1975: U.S. Geological Survey, Water-Resources Investigations 77-53, p. 309.
- 7. NUS Project for Performance of Remedial Response Activities at Uncontrolled Hazardous Substance Facilities--Zone 1, NUS Corporation, Superfund Division.
- 8. NUS Training Manual, Project for Performance of Remedial Response Activities at Uncontrolled Hazardous Substance Facilities--Zone 1, NUS Corporation, Superfund Division.
- 9. Sax, N. Irving, <u>Dangerous Properties of Industrial Materials</u>, Sixth Edition, Van Nostrand Reinhold Co., 1984.
- 10. TLVs Threshold Limit Values for Chemical Substances in the Work Environment Adopted by ACGIH for 1983-84, American Conference of Governmental Industrial Hygienists, ISBN: 0-936712-45-7, 1983.
- 11. U.S. Geological Survey, Topographic Map, 1:24,000 Series.
- 12. Windholz, M., ed. The Merck Index, an Encyclopedia of Chemicals and Drugs, Rahway, NJ: Merck and Company, Inc., 1976.